Volume XCII July-December, 1947

THE NATIONAL GEOGRAPHIC MAGAZINE

INDEX

July-December, 1947

VOLUME XCII

PUBLISHED BY THE
NATIONAL GEOGRAPHIC SOCIETY
WASHINGTON, D. C.

$5.00 A YEAR

COPYRIGHT 1948

NATIONAL GEOGRAPHIC SOCIETY

GEOGRAPHIC ADMINISTRATION BUILDING
SIXTEENTH AND M STREETS NORTHWEST, WASHINGTON 6, D. C.

GILBERT GROSVENOR, President
ROBERT V. FLEMING, Treasurer
HERBERT A. POOLE, Assistant Treasurer
LYMAN J. BRIGGS, Chairman, Research Committee
ALEXANDER WETMORE, Vice-Chairman, Research Committee
JOHN OLIVER LA GORCE, Vice-President
THOMAS W. McKNEW, Secretary
VERNON H. BREWSTER, Assistant Secretary
MELVIN M. PAYNE, Assistant Secretary
KURTZ M. HANSON, Assistant Secretary

EXECUTIVE STAFF OF THE NATIONAL GEOGRAPHIC MAGAZINE

GILBERT GROSVENOR, EDITOR

JOHN OLIVER LA GORCE, Associate Editor

J. R. HILDEBRAND
Assistant Editor

MELVILLE BELL GROSVENOR
Assistant Editor

JAMES M. DARLEY
Chief Cartographer

NEWMAN BUMSTEAD
Research Cartographer

CHARLES E. RIDDIFORD
Cartographic Staff

WELLMAN CHAMBERLIN
Cartographic Staff

GEORGE CROSSETTE
Research Assistant

RAYMOND W. WELCH
Director of Advertising

GILBERT G. LA GORCE
Assistant Director of Advertising

FREDERICK SIMPICH
Assistant Editor

McFALL KERBEY
Chief Research Division

LEO A. BORAH
Editorial Staff

FREDERICK G. VOSBURGH
Editorial Staff

LEONARD C. ROY
Chief of School Service

WILLIAM H. NICHOLAS
Editorial Staff

F. BARROWS COLTON
Editorial Staff

INEZ B. RYAN
Research Assistant

FRANKLIN L. FISHER
Chief Illustrations Division

MAYNARD OWEN WILLIAMS
Chief Foreign Editorial Staff

W. ROBERT MOORE
Foreign Editorial Staff

LUIS MARDEN
Foreign Editorial Staff

THEODORE F. KOOP
Chief News Bulletin Service

EDWIN L. WISHERD
Chief Photographic Laboratory

WALTER MEAYERS EDWARDS
Illustrations Division

KIP ROSS
Illustrations Division

MASON SUTHERLAND
Editorial Staff

BOARD OF TRUSTEES

CHARLES EVANS HUGHES
Formerly Chief Justice of the United States

WALTER S. GIFFORD
President American Telephone and Telegraph Co.

WILLIAM V. PRATT
Admiral U. S. Navy, Retired

LYMAN J. BRIGGS
Director National Bureau of Standards, Retired

EMORY S. LAND
Vice Admiral Construction Corps, U. S. Navy, Retired; President, Air Transport Association

GEORGE R. PUTNAM
Commissioner of Lighthouses, Retired

L. O. COLBERT
Rear Admiral, Director U. S. Coast and Geodetic Survey

FRANKLIN L. FISHER
Chief Illustrations Division, National Geographic Magazine

ROBERT V. FLEMING
President and Chairman of the Board, Riggs National Bank

H. H. ARNOLD
General of the Army, Retired
Formerly Commanding General U. S. Army Air Forces

LEROY A. LINCOLN
President Metropolitan Life Insurance Company

JUAN T. TRIPPE
President Pan American Airways

DAVID FAIRCHILD
Special Agricultural Explorer, U. S. Department of Agriculture

ALEXANDER WETMORE
Secretary Smithsonian Institution

GILBERT GROSVENOR
Editor of National Geographic Magazine

MELVILLE BELL GROSVENOR
Assistant Editor, National Geographic Magazine

JOHN J. PERSHING
General of the Armies of The United States

CHARLES F. KETTERING
President General Motors Research Corporation

CHARLES G. DAWES
Formerly Vice-President of the United States

ELISHA HANSON
Lawyer and Naturalist

LLOYD B. WILSON
Chairman of the Board Chesapeake and Potomac Telephone Companies

ERNEST E. NORRIS
President Southern Railway System

JOHN OLIVER LA GORCE
Associate Editor of the National Geographic Magazine

J. R. HILDEBRAND
Assistant Editor, National Geographic Magazine

ORGANIZED FOR "THE INCREASE AND DIFFUSION OF GEOGRAPHIC KNOWLEDGE"

To carry out the purposes for which it was founded sixty years ago, the National Geographic Society publishes this Magazine monthly. All receipts are invested in The Magazine itself or expended directly to promote geographic knowledge.

Articles and photographs are desired. For material The Magazine uses, generous remuneration is made.

In addition to the editorial and photographic surveys constantly being made, The Society has sponsored more than 100 scientific expeditions, some of which required years of field work to achieve their objectives.

The Society's notable expeditions have pushed back the historic horizons of the southwestern United States to a period nearly eight centuries before Columbus crossed the Atlantic. By dating the ruins of the vast communal dwellings in that region, The Society's researches solved secrets that had puzzled historians for three hundred years.

In Mexico, The Society and the Smithsonian Institution, January 16, 1939, discovered the oldest work of man in the Americas for which we have a date. This slab of stone is engraved in Mayan characters with a date which means November 4, 291 B. C. (Spinden Correlation). It antedates by 200 years anything heretofore dated in America, and reveals a great center of early American culture, previously unknown.

On November 11, 1935, in a flight sponsored jointly by the National Geographic Society and the U. S. Army Air Corps, the world's largest balloon, *Explorer II*, ascended to the world altitude record of 72,395 feet. Capt. Albert W. Stevens and Capt. Orvil A. Anderson took aloft in the gondola nearly a ton of scientific instruments, and obtained results of extraordinary value.

The National Geographic Society-U. S. Army Air Forces Expedition, from a camp in southern Brazil, photographed and observed the solar eclipse of 1947. This was the seventh expedition of The Society to observe a total eclipse of the sun.

The Society cooperated with Dr. William Beebe in deep-sea explorations off Bermuda, during which a world record depth of 3,028 feet was attained.

The Society granted $25,000, and in addition $75,000 was given by individual members, to the Government when the congressional appropriation for the purpose was insufficient, and the finest of the giant sequoia trees in the Giant Forest of Sequoia National Park of California were thereby saved for the American people.

One of the world's largest icefields and glacial systems outside the polar regions was discovered in Alaska and Yukon by Bradford Washburn while exploring for The Society and the Harvard Institute of Exploration, 1938.

Copyright, 1948, by National Geographic Society, Washington, D. C. International Copyright secured. All rights reserved. Quedan reservados todos los derechos.
Printed in U. S. A. Cover design and names registered in United States Patent Office. Marca Registrada.

CONTENTS

Page

Adventures with the Survey Navy. By Irving Johnson 131

Ancient "Skyscrapers" of the Yemen. 16 illustrations in color from natural-color photographs by Richard H. Sanger 645

Arab Land Beyond the Jordan. 18 illustrations in color from natural-color photographs by Frank Hurley 753

An Archeologist Looks at Palestine. By Nelson Glueck 739

Born Hunters, the Bird Dogs. By Roland Kilbon. With 19 illustrations in color from paintings by Walter A. Weber 369

British Castles, History in Stone. By Norman Wilkinson. With 16 illustrations from etchings by the author 111

Carnival in San Antonio (Texas). By Mason Sutherland. With 19 illustrations in color from natural-color photographs by J. Baylor Roberts 813

Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 illustrations in color from natural-color photographs by Volkmar Wentzel 597

Desert River (San Juan) Through Navajo Land. By Alfred M. Bailey. With 11 illustrations in color from natural-color photographs by the author and Fred G. Brandenburg 149

Drums to Dynamos on the Mohawk (New York). By Frederick G. Vosburgh. With 19 illustrations in color from natural-color photographs by B. Anthony Stewart 67

Eclipse Hunting (1947) in Brazil's Ranchland. By F. Barrows Colton. With 22 illustrations in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others 285

Erosion, Trojan Horse of Greece. By F. G. Renner 793

Exploring America's Great Sand Barrier Reef (North Carolina-Virginia). By Capt. Eugene R. Guild, USA, Ret. With 10 illustrations in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts 325

Exploring Ottawa (Canada). By Bruce Hutchison. With 14 illustrations in color from natural-color photographs by John E. Fletcher and W. Robert Moore 565

Guatemala Revisited. By Luis Marden. With 40 illustrations in color from natural-color photographs by the author and Helen S. Williams 525

Hummingbirds in Action. By Harold E. Edgerton. With 15 illustrations in color from natural-color photographs by the author 221

Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590 351

Keeping House in London. By Frances James 769

Land of the Pilgrims' Pride (Massachusetts). By George W. Long. With 12 illustrations in color from natural-color photographs by Robert F. Sisson 193

Louis[illegible] Trades with the World. By Frederick Simpich. With 21 illustrations in color from natural-color photographs by J. Baylor Roberts and others 705

Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. With illustrations from photographs by J. Baylor Roberts 265

Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy official photographs, 11 illustrations in color and 8 illustrations in duotone 429

Scenes of Postwar Finland. By La Verne Bradley. With illustrations from photographs by Jerry Waller 233

The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors 523

The Society's New Map of the South Central United States. Text accompanying special map supplement in colors 845

Page

Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer 399

Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. With 8 illustrations in color from paintings by William Crowder 673

Utah's Arches of Stone. By Jack Breed. With 15 illustrations in color from natural-color photographs by the author 173

The World in Your Garden. By W. H. Camp. With 24 illustrations in color from paintings by Else Bostelmann 1

Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark 631

INDEX FOR VOL. XCII (JULY-DECEMBER), 1947

July	pp. 1-148	October	pp. 429-564
August	pp. 149-284	November	pp. 565-704
September	pp. 285-428	December	pp. 705-846

A
Page
AAF Weather Service 292, 299, 309, 311
Aalto, Alvar (architect) 238
Aaron Reppard (schooner) 339, 340
Abacá (Manila hemp) 524
Abajo Mountains. *See* Blue Mountains
Abbeville, La 710
Abd-ar-Rahman (Spanish emir) 14
Abdul (interpreter): Yemen 634, 636, 637, 644, 653, 659; color plates III, page 647; X, page 662
Abdullah, Amir (king of Trans-Jordan) 757, 762; color plate II, page 754
  Bodyguard color plate X, page 762
Abdullah, Crown Prince Saif al-Islam 660, 669; ill. 672
Abeel, John 89
Abeel Island, Mohawk Valley, N. Y 89
Abel, Clarke 43
Abelia (*Abelia grandiflora*) 43; color plate, page 42
Abercrombie, Sir Patrick 769
Abercrombie plan: London 769
Aberdeen-Angus (cattle) 841
"Åbolands," Finland. *See* Turku archipelago
Abraham (Biblical character) 6, 13, 741
Acadians (people) 217
  Louisiana 846
Acatenango (peak), Guatemala color plate, page 528
Acheulean axes, Flint: Palestine 752
Achras sapota (sapote tree): Guatemala 548
Aconite (monkshood) 3
Acrocomia (coyol palm) trees: Guatemala 552
Adam (Biblical character) 6
Adams, John 265
Adams, Theodore 193
Adare, Cape, Antarctica 468
Aden, Aden Protectorate 631, 632, 633, 634, 639, 653, 671
Aden Protectorate 631, 633, 656
Adirondacks (mountains), N. Y 80, 458
Adlumina fungosa (plant species) 47
Admiranda Narratio (Hariot) 352
Adonis festival: Greece 14
Adventures with the Survey Navy. By Irving Johnson. 18 ills., 1 half-page map, July 131-148
African Panorama, Brackenridge Park, San Antonio, Tex 835
Agal (goat-hair rope), Arabs wear color plate III, page 755
Agave utahensis (plant) color plate VIII, page 172
Agricultural and Mechanical College of Texas 525
Agriculture
  Erosion, Trojan Horse of Greece. By F. G. Renner. 19 ills., 1 half-page map, Dec 793-812
  Guatemala 525
  India 608-609
  Palestine 743, 751
  See also Horticulture
Agronomist, American: Greece ill. 806
Agua (volcano), Guatemala 527, 529
Ahasuerus, King 7
Ahmed, Crown Prince Saif al-Islam 632, 633, 636, 642, 643, 644, 662, 671
Aibak, Kutb-ud-Din (Islamic ruler) 629
Africa 285, 737
Aides, Governor General's: India ill. 598
Air, Measuring temperature of 294, 309, 310, 314
Aircraft carriers 432, 444, 453; ill. 433, 434
Aircraft model, Tailless, Testing: National Research Council, Ottawa ill. 586
Airila, Eliisa (nurse) ill. 244
Airplane: Northwest Angle, Minn 270, 273, 277, 278, 279, 281, 282
Airplanes
  Brazil 285, 288, 289, 292, 298, 310, 314, 315; ill. 287, 290, 312, 315
  Louisiana 727, 728; ill. 707
  New York 108
Airports, International: Caribbean regions 524
Airstrip: Little America IV 443; ill. 462
Ajau Juyú (Lord of the Forest) 538
Akkadians (people) 7
Alabama 737
Page
Alamo, San Antonio, Tex 813, 814; air view 828; color plate I, page 817
  Battle of 814
  Defenders of 846
Alamo Frozen Foods Company 839
Alamo Plaza, San Antonio, Tex 813, 814
Álamos (cottonwoods) 814
Alarcón, Don Martín de 810
Alaric the Goth 26
Alaska 237, 238
Albanus (Phillips) Glacier, Antarctica 484
Albany, N. Y 105, 110
Albemarle Sound, N. C 337
Albers Conical Equal-Area projection 845
Albert Markham, Mount, Antarctica 468, 473
Albert Memorial, London ill. 774
Albrecht, William (amateur astronomer) ill. 696
Alcoa (shipping line): Louisiana 728, 737
Alcoa Clipper (steamship) 737
Alcoa Corsair (steamship) 737
Alden, John 193, 208
Alden, Jonathan 208
Alden, Katharine L 199; color plate III, page 211
Alden, Priscilla 208
Alden House, Duxbury, Mass 208
Alewives (fish): Plymouth, Mass 202, 206, 207
Alexander, Field Marshal color plate IV-V, pages 576-577
Alexander, Maj. Jerome 292
Alexander the Great 8, 805
Alexandria, La 721
Alfred the Great 129, 420
Algae: Antarctica 452, 475, 499
Algonquians (Indians)
  Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept 351-368
    Festivals 351; plates I, page 353; XIV-XV, pages 366-367
    Food 352; plates X, page 362; XI, page 363
    Manner of carrying children 352; plate IV, page 356
    Medicine men 352; plate XII, page 364
    Village life 351, 352; plates II, page 354; III, page 355
    Warriors 352; plate V, page 357
Alguacil (policeman): Todos Santos Cuchumatán, Guatemala color plate, page 532
Alhambra, Granada, Spain 816
Ali. *See* Gaheri, Sheik
Ali, M. Asaf (Indian ambassador) ill. 601
Alice, Tex 845
Al Karsh, Aden Protectorate 636
All Saints' Day celebration: Guatemala color plates, pages 553, 554
Allah 631, 656
Alleghenies (mountains), U. S 737
Allegheny Vine (*Adlumina fungosa*) 47
Allenby, Field Marshal (Allenby of Megiddo) 749
Alligators: Florida plate XIII, page 365
Alloy, Elgin 403, 414, 428
Ålö (island), Finland 244, 263
Aloe, True (*Aloe Vera*) 26; color plate, page 27
Alotenango, Guatemala 527
Altar of Remembrance, Parliament, Ottawa 572
Althaea rosea (Hollyhock) 45
Altos (Highlands), Guatemala 525, 558
Alvarado, Pedro de 540
Amaryllis Family (flowers) 25
Amazon River, South America 50, 289
Ambulance, National Geographic Society photographer's: India ill. 630
Ambulances: Finland, Gift to ill. 243, 248
American Farm School, Salonika, Greece 705
American Field (magazine) 371
American Friends Service Committee 236
American Fur Company 265
American Kennel Club 376, 382, 397
American Locomotive Company plant, Schenectady, N. Y 105, 107

Page

American Point Island, Minn.
  Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug ... 265–284
American Red Cross
  Scenes of Postwar Finland. By La Verne Bradley. With illustrations from photographs by Jerry Waller. 30 ills., 1 half-page map, Aug ... 233–264
  Representatives ... 233; ill. 236
  Supplies ... 236, 258; ill. 234, 238, 241, 243, 250, 261
American Revolution ... 265, 268, 274
American Rice Growers Cooperative Association ... 721
American School of Oriental Research, Jerusalem 739–740, 743
American Spaniel Club ... 394
American Telephone and Telegraph Building, N. Y.:
  Public Clock ... ill. 426
Americans: London ... ill. 789
Amil (mayor): Yemen ... 653, 654, 655, 657, 659, 669, 670, 671
Amphitheater: Petra, Trans-Jordan ... color plate XII, page 764
Amsterdam, N. Y ... 95, 101, 105
Amundsen, Roald ... 441, 462, 471
Amundsen Glacier, Antarctica ... 484
Amundsen Sea, Antarctica ... 501, 503, 512
'Anata, Palestine ... 748
Anathoth. *See* 'Anata
Anatomy class: College of Nursing, New Delhi, India ill. 605
Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov ... 645–668
Andagamigowinini (Indian chief) ... 268
Anderson, Lt. George H ... 460, 467, 468, 490
Andes (mountains), South America ... 4, 507
  Ecuadorian Andes ... 1
Andrews, Ensign Stanley J ... 483
Angels Trumpet (flower) ... 1, 50
Angle Inlet, Minn ... 266, 272, 273, 279; ill. 282
  Homes ... ill. 277, 278
Angle Township. *See* Northwest Angle, Minn.
Anglin, Lt. H. H ... ill. 487
Anglo-Egyptian Sudan ... 96
Anglo-Saxon peoples ... 572
Animals, Pack: Yemen ... ill. 641
Animals, Stylized, in headdresses: Guatemala ... color plates, pages 544–545
Ankenbrandt, Brig. Gen. Francis L ... 314
Anoxia, Effects of ... 462, 466, 490
Antarctic: Aurora, Explorers photographing the ... ill. 695
Antarctic Circle ... 435, 463, 491, 503, 510, 520, 521
Antarctic Expedition (1939–41) ... 430
Antarctica
  Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct ... 429–522
  Area ... 429, 497, 505
  Auroras ... color plates II, page 686; III, page 687
  Coastline ... 431, 495, 497, 505
  Geographical discoveries ... 435, 457, 458, 468, 479, 490, 495, 503, 505, 506
  Glaciers ... 458, 479, 483, 484, 485, 504; duotone plates, pages 469–473
  Ice and snow ... 432, 434, 435, 436, 437, 438, 439, 440, 441, 443, 463, 507, 508, 509; ill. 454, 459, 464–465, 480, 505, 514, 518; color plates II, page 446; IV–V, pages 448–449; VI, page 450; VII, page 451
  Mapping missions ... 456–457, 491, 495, 497, 499, 500–506
  Mountains ... 457, 458, 466, 468, 477, 485, 486, 487, 490, 491, 499
  Operational flights ... 456–457, 460–490
  Sermon in ice ... 521, 522
  Vast laboratory for research ... 506, 507, 508, 509
  Weather ... 432, 439, 444, 453, 455, 456, 460, 463, 495, 505, 520
Antenna, Radio ... 290; ill. 311
Antigua, Guatemala ... 527, 529, 532; color plate, page 549
  Palace ... color plate, page 531
Antigua (island), West Indies ... 523
Antipater (father of Herod the Great) ... 748
Antipatris, Palestine ... 748
Antiques: Hanson, Mass ... ill. 218
Antirrhinum majus (Snapdragon) ... 26
"Antithesis of darkness" (light phenomenon) ... 510
Antonio (Guatemalan Indian) ... color plate, page 557
Apache braves, Geronimo's: Fort Sam Houston, Tex. 816, 833
Apartments. *See* Flats
Apostles, Villages named for: Guatemala ... 534, 537
Appalachian mountains, U. S ... 67, 352, 358
'Aqir. *See* Ekron
Aqueduct: Yemen ... color plate XI, page 663
Aquilegia caerulea (flower species) ... 60

Page

Ar Raudha, Yemen ... 656, 660
Arab Land Beyond the Jordan. 18 ills. in color from natural-color photographs by Frank Hurley. Dec. 753–768
Arab League: Cairo, Egypt ... 672
Arab Legion: Trans-Jordan
  Arab Land Beyond the Jordan. 18 ills. in color from natural-color photographs by Frank Hurley. Dec ... 753–768
  Bugler ... color plate X, page 762
  Commander of ... color plate II, page 754
  Flag ... color plates I, page 753; V, page 757
  Members of ... color plates I–V, pages 753–757; X–XII, pages 762–764
  MP's ... color plate III, page 755
Arab stallions: Trans-Jordan ... color plates II, page 754; III, page 755
Arabia ... 105
  See also Trans-Jordan; Yemen
Arabia Felix (Roman name for Yemen) ... 631, 633
Arabian Nights ... 632, 644, 705
Arabian Peninsula ... 631, 634, 640
Arabian Sea ... 597
Arabs
  Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov ... 645–668
  Arab Land Beyond the Jordan. 18 ills. in color from natural-color photographs by Frank Hurley. Dec ... 753–768
  An Archeologist Looks at Palestine. By Nelson Glueck. 11 ills. in black and white, 18 ills. in color, 1 page map, Dec ... 739–768
  Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov ... 631–672
Aravalli Range, India ... 597
An Archeologist Looks at Palestine. By Nelson Glueck. 11 ills. in black and white, 18 ills. in color, 1 page map, Dec ... 739–768
Arches
  Diwan-i-Khas, India ... color plate XI, page 623
Arches National Monument, Utah
  Utah's Arches of Stone. By Jack Breed. With 15 ills. in color from natural-color photographs by the author. 1 third-page map, Aug ... 173–192
Architecture
  Plymouth, Mass ... 199
  Spanish Colonial: Palace of the Captains General, Antigua, Guatemala ... color plate, page 531
  Yemen ... 643, 654, 659, 660; ill. 635, 638, 639, 642, 656, 671
Arctic Circle ... 237, 239, 240, 503; ill. 236
Arctic Ocean ... 235, 453
"Arctic white-out" (light phenomenon) ... 510
Argentina ... 727
Arizona
  Desert River Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug ... 149–172
Ark of the Covenant ... 740, 741
Arkansas ... 711, 721
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec ... 845–846
Arkansas, Territory of ... 846
Arkansas River, U. S ... 705
Arkell, Bartlett ... 90
Arkell Memorial Building, Canajoharie, N. Y ... 90
Armadillos (mammals): Louisiana ... 712
Armageddon. *See* Tell el Mutasallim
Armistices (1940, 1944): Finland-U. S. S. R ... 237, 240, 242, 251, 259
Arnold, Helen ... 268
Art classes: Utica, N. Y ... 68
Arthur (English king) ... 111
Arun Family (flowers) ... 32
Arun River, England ... 112
Arundel, England ... 112
Arundel Castle, England ... 112; etching, page 121
As You Like It (Shakespeare) ... 420
Ascalon, Palestine ... 739, 740; ill. 746
Ashdod (Isdud), Holy Land ... 739
Ashkelon. *See* Ascalon
Asia Minor ... 810
Asoka (Indian ruler) ... 629
  Wheel of ... 629; ill. 601
Asoka Pillars, Delhi, India ... 629
Assam (Province), India ... 616, 630
Assiniboins (Indians) ... 265
Associated Colleges of Upper New York ... 91
Associated Press: Wirephoto machine ... ill. 412
Associated Press dispatch, describes aurora ... 693
Assurbanipal (Assyrian king) ... 7, 8, 12
Assyrian Empire ... 7
Assyrians ... 14

Page

- Aster
  - China (*Callistephus chinensis*) 45; color plate, page 44
  - New England (*Aster novae-angliae*) 62; color plate, page 63
- Astrolabe (astronomical instrument) 148
- Astronomers, Amateur: Aurora study, Assist in 700; ill. 696
- Astronomy
  - Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept 285–324
  - Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer. 36 ills., Sept 399–428
  - Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov 673–704
- AT–11 (advanced trainer for bomber crews): Rome, N. Y. 71
- Athens, Greece
  - Erosion, Trojan Horse of Greece. By F. G. Renner. 19 ills., 1 half-page map, Dec 793–812
- 'Athlit (castle): Palestine 745
- Atitlán, Lake, Guatemala 532, 534; color plates, pages 536–537, 538, 539
- Atitlán (volcano), Guatemala color plates, pages 536–537
- Atlantic Coast 705
- Atlantic Ocean 285, 289, 325
- Atmosphere
  - Distance above earth, determined by height of aurora 676, 697, 699
  - Dust-free: Antarctica 496, 511
  - Gases in upper 699
- *Atol* (gruel): Guatemala 540
- Atomic power 67, 68, 106, 107, 108
- Atoms 288, 300, 308, 309, 310
- Atwood, E. D 204
- Auchinleck, Field Marshal Sir Claude 616
- Audubon, John James 724
- Augustus (Roman emperor) 745
- 'Auja River, Palestine 748
- Aulneau, Father Jean Pierre 267
- Auriesville, N. Y. 105; color plate XVI, page 104
- Aurora australis 684; ill. 695; color plate II, page 686
- Aurora borealis 673, 576, 684
- "Aurora polaris" 684
- Auroras
  - Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov 673–704
  - Air, Upper, Studies of the 676, 697, 699
  - Brightness measured 698; ill. 696
  - Causes of the aurora 673, 674, 678, 683, 700; ill. 680, 683
  - Change in shape 698, 699, 701, 703; ill. 694
  - Classes, Three main 701
  - Color 673, 699, 700, 701, 702, 703, 704
  - Forms of auroras 702–704
    - Corona 673, 701, 702, 703–704; ill. 694; color plate IV, page 688
    - Diffuse surface 701, 703
    - Drapery 701, 703; ill. 679, 697, 701; color plates II, page 686; VI, page 690
    - Flaming aurora 701, 702, 704
    - Glow 701, 702
    - Homogeneous arc 701, 702–703; ill. 681 (2 ills.), 704
    - Homogeneous band 701, 703; ill. 675, 681; color plates I, page 685; V, page 689
    - Old rays 704; ill. 700
    - Pulsating arc 701, 704; ill. 702
    - Pulsating surface 701, 702, 704
    - Rayed arc 681, 701, 703; color plate III, page 687
    - Rayed band 701, 703; color plates V, page 689; VII, page 691; VIII, page 692
    - Rays 701, 703; color plate VII, page 691
  - Geomagnetic poles, Centered around 684
  - Height of, and how to measure 696–698, 701, 702; ill. 695, 696, 698, 699, 703
  - Magnetic storms 673–674, 676, 683, 684, 696, 700
  - Months, Best, to view 684
  - "Noises" 693–695
  - Occurrence, Frequency of 676, 677, 684, 693, 700
  - Photographing 693; ill. 677, 682, 695
  - Places, Best, to see auroras 676, 677, 684, 696
  - Reasons for studying 674, 676, 696
  - Records, Early 693
  - Weather affected 695
- Austin, Tex 846
- Australia 105
  - Plants 49
- Automobile: Northwest Angle, Minn 274
- Automobiles
  - Finland 239, 251, 259, 263; ill. 243, 261
  - London 783
- "Avenue of Frozen Rainbows" (sky road) 466
- Avenues, Broad: New Delhi, India air view 602
- Avery Island, La 710, 721, 736
- Aviation
  - Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct 429–522
- Avon, N. C 339
- Avon (river), England 112, 129
- Axel Heiberg Glacier, Antarctica 484
- Azalea (*Rhododendron*, various species) 47
  - Flame (*Rhododendron calendulaceum*) 6, 65; color plate, page 64
  - Japanese 47; color plate, page 46
- Aztecs (Indians): Mexico 54, 55

B

- B–17 (Flying Fortress) 299, 303, 314, 315
- B–25's (bombers) 444
- B–29 (Superfortress) 108, 299; ill. 75
- Babe Ruth 374
- Babies
  - On mothers' backs: San Juan Sacatepéquez, Guatemala color plate, page 557
  - Receive orange juice: London ill. 773
- Baby
  - Hyde Park, London ill. 773
  - In wheelless pram: Kew Gardens, London ill. 772
  - Mother and: Santiago Atitlán, Guatemala color plate, page 542
  - Mother nurses: Sololá, Guatemala color plate, page 529
  - Navajo (Indian) ill. 155; color plate I, page 165
  - Sleeps while mother farms: Greece ill. 803
- "Baby Ben" (clock) 422
- Baby Health Center, Finland ill. 247
- Babylon 17
- Babylonian Empire 12
- Babylonians 14
- Backman, Tyra (nurse) ill. 247, 261
- Bacon: London 772, 776, 781, 783
- Baggs' Tavern, Utica, N. Y 79
- Bags, Feed: San Antonio, Tex color plate XII, page 836
- Bahai garden: Haifa, Palestine 745
- Bahama Islands: Population figures 523
- Bailey, Alfred M.
  - Desert River Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug 149–172
- Bailey, Dr. L. H.: Quoted 56
- Bailey, Pat 149, 154, 164; ill. 162; color plate VIII, page 172
- Bailey party: Utah ill. 156, 157, 158, 159; color plates VI, page 170; VII, page 172
- Baily's beads (star formation) 316
- Bait al Faqih, Yemen 654, 655, 657
- Baker, Grandma ill. 93
- Baker, Sir Herbert 599, 618
- Bakeries: London 770, 772, 775
- Balance staff, Watch ill. 415
- Balance wheels, Watch 407, 422, 427, 428; ill. 415, 419, 422
- Baldwin, Sgt. George E 460
- Balleny Islands, Antarctica 431, 491, 512
- Balloon, Weather
  - Antarctica 511; ill. 496
  - Brazil 296, 299, 309, 316; ill. 311, 313
- Balmiki temple, Delhi, India 606
- Balsam, Garden 32
- Balsley, James R., Jr 509
- Baltic Sea 233, 244; ill. 243
- Baltimore, Md 326, 712
- Bamboo, split for marking trails color plate III, page 447
- Band (musical)
  - India color plate III, page 615
  - Yemen color plate VI, page 650
- *Bandoleer* (belt to carry cartridges): Yemen 636
- Bands (musical): Yemen 632, 643
- Baniyas. *See* Caesarea Philippi
- Banks, Sir Joseph 15, 49
- Bannockburn, Scotland 112
- Bar: Senate, Ottawa 565
- Barataria, Bayou, La 706; ill. 722
- Barataria Bay, La ill. 726
- Barbados (island), West Indies 737
- Barber: Delhi, India ill. 609
- Barefoot women: Guatemala color plate, page 542
- Barge
  - Cooking breakfast on: Mohawk Valley, N. Y. color plate VI, page 86
  - Oil: Little Falls, N. Y color plate XIV, page 102
- Barges: New York 77, 78; ill. 73
- Barksdale Field, Shreveport, La 711
- Barnes, Alice 196, 199
- *Barohoini* (Rainbow Bridge), Utah 163

Page
Barracks Hill. *See* Major's Hill Park
Barranquilla, Colombia 524
Barrels, filled with Tabasco sauce: Louisiana color plate XVI, page 736
Barrow, William 723
Barrow family: Louisiana 723, 724
Barter
  Croydon, England ill. 775
  Louisiana 705
Bartol Research Foundation of the Franklin Institute, Swarthmore, Pa 299
Bartram, John 16
Base line, Hydrographic crew measures: Okinawa (island) ill. 136
Bases, Concrete, Eclipse equipment mounted on: Brazil color plate VI, page 306
Basilica, St. Peter's, Rome 626
Basket, Armadillo shell: San Antonio, Tex ill. 815
Basketmakers: Greece ill. 796
Baskets
  Brazil ill. 287
  Carried on heads: Guatemala color plate, page 557
  Market: Greece ill. 796
Bates, Abigail 218
Bates, Rebecca 218
Bates, Simeon 218
Bath, Baby takes: Angle Inlet, Minn ill. 278
Bathers
  Jumna River, India ill. 603
  Salt-water
    North Carolina color plate V, page 345
    Virginia Beach color plate II, page 342
Bathroom, converted into living quarters: London ill. 789
Baths
  Hot spring: Yemen 657, 659
  Public: Holborn, London ill. 779
Baton Rouge, La 705, 724, 725, 726, 728, 845; color plates I, page 713; VI, page 718; VII, page 719
  Industries 724, 726, 737
  Population 724
Bats: Guatemala 564
Bats, Stylized, on jackets: Guatemala color plate, page 564
Battle of Hattin 766
Battle of New Orleans 711, 846
Battle of Oriskany 80
  Painting color plate III, page 83
Battle of San Jacinto 814, 817, 846
Bay, Discovery of: Antarctica 503
Bayous. *See* Barataria; Lafourche Bayou; Teche Bayou
Bazaars: Delhi, India 601, 605; ill. 599
Baybars, Sultan (Moslem warrior) 739
Beach
  Bathing: Tel Aviv, Palestine ill. 740
  Cape Hatteras, N. C color plate III, page 343
Beach party: Ulithi (island) ill. 140
Beaches
  North Carolina color plates III, page 343; V, page 345
  Palestine 739, 741, 745; ill. 740
Beachhead, Antarctic: Bay of Whales ill. 454
Beacon, Wooden: Ulithi (island) ill. 140
Beadle, Mrs. S. H color plate VIII, page 720
Bean, W. J 65
Bean poles: London ill. 774
Bear (ship) 501
Bear, Armored, atop fountain: Bern, Switzerland ill. 421
Bear Creek, U. S.-Canada 273
Beardmore Glacier, Antarctica 466, 468, 479, 483; duotone plate, page 471
Bears Ears (buttes), Utah 176
Beaufort Island, Antarctica 472
Beauregard Parish, La 709
Beaver, Alaska 237
Beaver (brig) 217
Bedloe (Coast Guard cutter) 339
Bedouins: Trans-Jordan color plates I, page 753; VI, page 758; IX, page 761; XV, page 767
Bee
  On feeding vial color plate II, page 226
  Queen, sent through mail in cage ill. 725
Beech-Nut Packing Company 88, 90
"Beech-Nut Town" (Canajoharie) 90
Beersheba, Palestine 741
"Bees," Human: Burpee's Floradale Farms ill. 15
Beeswax, on marimbas: Guatemala 541
Beets, sold cooked: London 782
Beisan. *See* Bethshan
Belamcanda chinensis (Blackberry-Lily) 45
Belgium 107, 728
Belgrave Square, London 769, 780
Bell ringers, Wooden, of clock ill. 418
Bell Telephone Laboratories 426
Belle Chasse, La 738
Bellflower (*Campanula*, various species) 19
  Chimney (*Campanula pyramidalis*) 19; color plate, page 18
Bellingshausen (Russian naval officer) 426
Page
Bellingshausen Sea, Antarctica 503, 504
Bells
  Carillon: Parliament, Ottawa 572, 583; ill. 584
  Church: Antigua, Guatemala 527
  Monastery 420
Belo Horizonte, Brazil: Clock 411
Ben Bolt, Tex 845
Bengal, Eastern, India 608, 610, 616
Bergamot, Wild (*Monarda fistulosa*) 62
Berghamn Island, Finland 247, 248
Berkeley, Governor: Virginia 721
Bermuda (island), Atlantic Ocean 523
Bern, Switzerland: Clock ill. 421
Bernice, La 845
Bert Steele (boat) 265, 268
Beth Shemesh, Holy Land 740, 741
Bethshan 739, 740
Betty (dog) 369
Beverly, Capt. Edgar J ill. 69
Bexar (county), Tex 814
Bible 652, 750
  Quoted 6
Bicycle, Nurse travels on: Finland ill. 247
Bicycles: New Delhi, India 599; color plate VII, page 619
Big Ben (chimes and clock): London 778; ill. 425
Big Bend, San Juan (river), Utah 154
Big Broom (altar): Momostenango, Guatemala 564
Big Dipper (stars) ill. 698
Big Nose (bluff), Mohawk Valley, N. Y 76
Big Traverse Bay, U. S 265, 266
Bigfoot, Tex 845
Bikini (atoll), Marshalls 208
Billberg, Rudy 273
Billingsgate, London 786
Billington Sea, Mass 207
Bird dogs
  Born Hunters, the Bird Dogs. By Roland Kilbon. Paintings by Walter A. Weber. 10 ills. in black and white, 19 ills. in color, Sept 369-398
    Dogs work in pairs 375
    Field trials 370, 371, 374, 375, 376, 393, 394, 395, 396; ill. 372, 373
    Holding point, tests steadiness 370, 375, 376
    Honors his bracemate's point 375, 395; ill. 370
    Hunting instinct 369, 370
    Obedience trials 369; ill. 374
    Sense of smell 369
    Teamwork of man and dog 369
    Trained dogs aid conservation 371
Bird-of-Paradise Flower (*Strelitzia Reginae*) 32; color plate, page 33
Birds
  Antarctica 499
  Hummingbirds in Action. By Harold E. Edgerton. With 15 ills. in color from natural-color photographs by the author. 2 ills. in black and white, Aug 221-232
  North Carolina 331, 339; ill. 334
Birla, Raja Baldevdas (Indian industrialist) 606
Birla Temple. *See* Lakshminarayan Temple
Birmingham, Ala 728
Biscuits: London 782
Bishop of London 207
Bitter Roots (*Lewisia*) 60
Bittinger, Capt. Charles 208
Blackbeard (pirate) 325, 336, 349
"Black Dinner" (banquet) 111
Black-eyed-Susans: Utah color plate VI, page 182
Black Prince (Edward) 129
Black River, Quebec, Canada 67
"Black Robes" (Father Jogues and priests) 104, 105
Blanding, Utah 173
Blanket-Flower (*Gaillardia pulchella*) 60; color plate, page 61
Blankets
  Momostenango, Guatemala 558, 562; color plate, page 535
  San Francisco El Alto, Guatemala color plate, page 563
Blasting, Under-water, Survey Navy
  Funafuti (island) 141
  Nukufetau (island) 140
  Wallis Islands 133
Bleeding Heart (*Dicentra spectabilis*) 47; color plate, page 46
Blizzards: London 774, 780
Blue Eye, Mo 845
"Blue flag" (wild iris): New York 67, 84
Blue Lace-Flower (*Trachymene caerulea*) 49; color plate, page 48
Blue (Abajo) Mountains, Utah 173, 176
Bluebell (*Campanula rotundifolia*) 19
Bluebonnets: Texas 61; color plate XIV, page 838
Bluff, Utah 173
Board of Selectmen: Plymouth, Mass 195, 196
Board of Trade, London 787
Boat, School: Louisiana color plate XVI, page 736
Boats
  Expedition: San Juan (river), Utah ill. 151, 158, 159; color plates IV, page 168; V, page 169

Page
Boats—(Cont.)
  Finland 233, 246, 251; ill. 263
  Gondolier-propelled: San Antonio River 813; ill. 827
  Northwest Angle, Minn 272, 279, 282; ill. 266, 267, 270, 280, 284
  Rideau Canal, Ontario, Canada color plate XV, page 595
  Survey 131, 132, 147; ill. 135
Bocaiuva, Brazil
  Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map. Sept 285-324
Bocaiuva Boy Scout Troop 299
Bodian Castle, England 129; etching, page 128
Bodie Island Light, Oregon Inlet, N. C 331
Bodyguard
  King's: Trans-Jordan color plate x, page 762
  New Delhi, India ill. 598
"Bog iron": Massachusetts 218
Bolaños, Don Mario 540, 541
Bologna, Italy 13
Bombay, India 597, 598
Bond, Capt. Charles A 477, 491, 495, 497, 500
Bondurant, Don 149
Book, found in Little America II ill. 508
Book of Remembrance, Parliament, Canada 572
Bookstores: Jerusalem, Palestine 748
Booth Fish Company 265
Bootmakers: San Antonio, Tex 825; color plate XIII, page 837
Boots
  Cowboy: San Antonio, Tex 819, 825; color plate XIII, page 837
  Reindeer skin: Finland ill. 261
  Trapper's hip: Louisiana ill. 708
Bora Bora, Society Islands 134
Born Hunters, the Bird Dogs. By Roland Kilbon. Paintings by Walter A. Weber. 10 ills. in black and white, 19 ills. in color. Sept 369-398
Bostelmann, Else 17; ill. 16
  Flowers (The World in Your Garden). 24 ills. in color from paintings by Else Bostelmann. July 18-65
Boston, Mass 193, 207, 217
Boston Club, New Orleans, La color plate II, page 714
Boston Teaparty 217, 790
"Bostonawba" (tea brand): London 790
Boswellia (frankincense) trees, Reproduction of reliefs ill. 12
A Botanist in Southern Africa (Hutchinson) 34
Botany Bay, Australia 49
Bothnia, Gulf of, Sweden-Finland 233, 244
Bo-tree (*Ficus religiosa*) 13
Bottle-Brush (*Callistemon rigidus*) 49; color plate, page 48
Bouncing Bet (plant) 5-6
Boundaries: Senatorial Districts, Puerto Rico 524
Boundary: Manitoba-Northwest Angle, U. S 265, 268, 272, 273, 274; ill. 274
Boundary agreement: Costa Rica-Panama 523
Bourbon, Mo.: Field trial ill. 373, 398
Bourbon Street, New Orleans, La 705
Bowditch, U.S.S.: Drafting room ill. 143
Bowe, O. F ill. 514
Bowes-Lyon, Lady Elizabeth 111
Bowie, James (Alamo hero) 815
Bowlegs, Okla 845
Boy
  Holds quartz crystals ill. 78
  Jumping across Mohawk River, N. Y ill. 66
  Navajo (Indian) color plate I, page 165
  Playing soldier: San'a, Yemen ill. 670
  Wears colored shirt: Santiago Atitlán, Guatemala color plate, page 527
Boyd, Capt. Vernon D 441, 489, 513, 514, 515, 517
Boys
  Delhi, India ill. 606; color plate XVI, page 628
  New Delhi, India color plate IX, page 621
  On raft: Plymouth, Mass color plate IV, page 212
  Peddle water: Greece ill. 805
  Scramble for coins: San Antonio, Tex ill. 842
  Stare at mastodon skeleton: Albany, N. Y ill. 110
Bracelets, Silver: India color plate x, page 622
Brachycome iberidifolia (Swan River Daisy) 49
Brackenridge Park, San Antonio, Tex 830, 832; color plate XI, page 835
Bradford, Daniel 208
Bradford, Col. Gamaliel 208
Bradford, Gamaliel 208
Bradford, Gershom 208
Bradford, Maj. John 207
Bradford, William 193, 195, 207
Bradford House, Kingston, Mass 207; color plate VIII, page 216
Bradley, La Verne ill. 236
  Scenes of Postwar Finland. By La Verne Bradley. With illustrations from photographs by Jerry Waller. 30 ills., 1 half-page map. Aug 233-264

Page
Brahman (cattle) 841, 846
Brandenburg, Fred G 149
  Desert River (San Juan) Through Navajo Land. 11 ills. in color from natural-color photographs by Alfred M. Bailey and Fred G. Brandenburg. Aug 165-172
Brännskär, Finland 248, 250
Brant, Joseph (Indian chief) 80, 89, 94, 95, 96
  Painting of ill. 92
Brant, Molly 94
Brassica oleracea (flower species) 25
Braswell, Cadet Ralph M ill. 831
Brazil 96, 107, 721
  Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map. Sept 285-324
Brazilian [illegible]ce 287, 292, 297, 299, 319
Brazilian Army 289
Brazilian Geographic Society 311
Brazilwood, used for dye: Guatemala 562
Bread
  Finland ill. 235, 250
  See also Chapatti
Breakfast: London 775
  On tub ill. 789
Breakwaters, Artificial: Haifa harbor, Palestine 745
Breechclouts: Todos Santos Cuchumatán, Guatemala color plate, page 533
Breed, Jack
  Utah's Arches of Stone. By Jack Breed. With 15 ills. in color from natural-color photographs by the author. 1 third-page map. Aug 173-192
Brent, Theodore 728
Brevis Narratio 352
Brewster, Thomas 208
Brewster, William 193, 208
Brewster, Wrestling 207
Brewster Gardens, Plymouth, Mass color plate V, page 213
Bride and groom, Sikh: Delhi, India ill. 611
Bridge
  Rexford highway: Mohawk Valley, N. Y color plate IX, page 97
  San Antonio River ill. 842
  San Juan (river), Utah ill. 159
Briggs, Dr. Lyman J 286, 292, 309, 316; ill. 312
Brinkley, Homer L 721
"Britain Can Make It" (exhibition), London 777
Britannia Range, Antarctica 468
British Broadcasting Corporation 693
British Castles, History in Stone. By Norman Wilkinson. 16 etchings. July 111-129
British Commonwealth of Nations 579
British House of Commons 420
British North America Act 570
Broadalbin, Mohawk Valley, N. Y 96
Broadway (street), San Antonio, Tex 830
Brockton, Mass 219
Brogan, Joseph 144
Bronx Zoo, N. Y 222
Bronze Age tomb: Palestine ill. 743, 740
Bronze Age tower: Palestine 752
Brooklyn, N. Y 90
Browallia 50
Browning, Elizabeth Barrett: Quoted 483
Browning, Robert: Quoted 522
Brownson (destroyer) 500
Brownsville, Tex 737, 846
Bruce, Robert 112
Buckete Island, Ontario, Canada 275, 276
Buckhorn Saloon, San Antonio, Tex 813, 826; ill. 815
Buddhism: Founder of 13
Buddhists: Delhi, India 605, 606
Buenaventura, Colombia 524
Buffalo herds: Oklahoma 846
Buffalo Point, Canada 279
Bugler, Arab Legion: Trans-Jordan color plate x, page 762
"Bugs" (type of boat) 214
Buildings
  Finland 237, 238
  Temporary: Ottawa, Canada 585
Bulbs, light face of largest clock ill. 410
Bull, Aberdeen-Angus champion: Louisiana color plate VIII, page 720
Bull dancers: Guatemala color plate, page 561
Bullfights: Mexican quarter, San Antonio, Tex 826
Bullock, Tom 712
Bullock: Delhi, India ill. 607
Bulls, Wild: Guatemala 544-545
Bumstead, Albert H 442
Buna-N (synthetic rubber) 724
Bunger, Lt. Comdr. David E 498
Buoys, Navigational 132, 144, 145; ill. 135
Buras, La 728

Page

- Burial Hill, Plymouth, Mass....193; ill. 195
- Burlando, Maj. Everett J....ill. 297
- Burpee's Floradale Farms: Petunias....ill. 15
- Burr, Aaron....337
- *Burton Island* (icebreaker)....432, 515; ill. 459
- Bush, Mount, Antarctica....460, 470
- *Bushnell* (submarine tender)....131
- Butcher shops: London....770, 772, 775, 783–784
- Butler, Walter....96
- Butler's Rangers....89, 96
- Butlersbury, Mohawk Valley, N. Y....96
- Butter: London....772, 783
- Butterfly-Tulips. *See* Mariposas
- Butters, Capt. Raymond J....460
- Buxton, N. C....340
- Buyck, Edward P. (painter)....92
- Buzzards Bay, Mass....193, 219
- By, Col. John....581, 585, 593
- "By the Alamo" (song)....843
- Byrd, Rear Admiral Richard E....ill. 430, 442, 482, 484, 491, 508, 520, 522
  - Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct....429–522
- Byrd, Lt. Richard E., Jr....ill. 508
- Bytown. *See* Ottawa
- Byzantine cemetery, Stone coffins from....751

C

- *C. A. Kohler* (schooner)....340
- C. C. C.: Utah....174
- C-47 (transport plane)....289; ill. 287
- C-54 (transport plane)....288
- Cabbages: San Antonio Aguas Caliente, Guatemala....color plate, page 562
- Cabin: Harrison Creek, U. S.-Canada....273; ill. 270
- Cabinet
  - London....577
  - Ottawa, Canada....566, 570, 582
- Cabinet Ministers: Ottawa, Canada....570
- Cabins, Log: Angle Inlet, Minn....272; ill. 277, 278
- Cable, Electric, on eclipse camera....ill. 312
- *Cabrito* (goat meat)....832, 842
- *Cacapon* (tanker)....491
- *Cacaxtes* (back packs): Santiago Atitlán, Guatemala....color plate, page 542
- Cactus, forms fence: Oaxaca, Mexico..color plate, page 57
- Caddo Lake, Texas Border....711
- Cadets, Royal: San'a, Yemen...color plates VI, page 650; VII, page 651
- Cady, Judge Daniel....96
- Caernarvon Castle, Wales....129; etching, page 125
- Caesar, Julius....26
  - Calendar....415
- Caesar Augustus (Roman emperor)....745
- Caesarea Maritima, Palestine....745
- Caesarea Philippi (Baniyas), Palestine....745
- Caesars (Roman rulers)....19
- Caffeys Inlet, N. C....337, 348, 349
- Cages, Mink: Minnesota....ill. 280
- *Caites* (sandals): Guatemala....532
- "Cajuns" (people): Louisiana....846
- Cajuput-Tree, Australian (*Melaleuca Leucadendra*)....49
- Calcasieu, River, La....712, 721; ill. 727
- Calcutta, India....597, 600, 609
- Calcutta University, India....610
- Caldwell, Capt. Henry Howard....502, 503
- Caledonian Market, London....789
- Calendar, Maya. *See Tzolkin*
- Calendars, Adoption of....414, 415
- *Calendula officinalis* (Pot Marigold)....19
- Calf, Nervous, shipped in plane to Nicaragua....ill. 711
- Calico, San Antonio women wearing....color plate III, page 819
- California....721
- Calla (*Zantedeschia aethiopica*)..6, 32; color plate, page 33
- *Calla palustris* (Calla species)....32
- *Callistemon rigidus* (Bottle-Brush)....49
- *Callistephus chinensis* (China Aster)....45
- *Calochortus* (Mariposas)....60
- Cambaluc, China: Gardens....13
- Camden, N. J....105
- Camel detachments: Arab Legion: Trans-Jordan....color plates XII, page 764; XV, page 767
- Camellia....45, 47; color plate, page 44
- *Camellia japonica* (Camellia species)....45
- *Camellia Sasanqua* (Camellia species)....45
- Camels
  - Arab Legion: Trans-Jordan....756, 757; color plates XI, page 763; XV, page 767
  - Yemen....632, 644, 657; ill. 643, 655
- Camera
  - "All-sky," for photographing extensive auroras....699; ill. 682
  - Automatic-sequence, records change in auroras....698; ill. 703

Page

- Camera—(Cont.)
  - Photographs eclipse through mirror: Brazil..color plate IX, page 317
- Cameraman, films progress of icebreaker: Antarctica....ill. 459
- Cameramen, AAF, photograph eclipse: Brazil..315; ill. 315
- Cameras....286, 299, 315; ill. 288, 312, 315
  - Photograph sun's corona....color plates VI, page 306; VII, page 307; IX, page 317; X, page 318
  - Television studio: Schenectady, N. Y....color plate XV, page 103
- Cameron, Bill....272, 273, 274, 279
- Cameron, La....721
- Camouflage, Quail's....378
- Camp, W. H....7, 16
  - The World in Your Garden. By W. H. Camp. Paintings by Else Bostelmann. 10 ills. in black and white, 24 ills. in color, July....1–65
- Camp, Eclipse expedition (1947): Brazil
  - Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept....285–324
  - Amusements....295, 296; ill. 298
  - Building of....color plate XII, page 320
  - Description of....292, 295, 296; ill. 290, 291
  - Food....295, 296
- Camp Polk, Leesville, La....712
- *Campanula Medium* (Canterbury Bells)....19
- *Campanula pyramidalis* (Chimney Bellflower)....19
- *Campanula rotundifolia* (Bluebell)....19
- Campbell, Comdr. Clifford M..453, 455, 460, 463; ill. 430
- Campbell Island, Antarctica....520
- Campeche wood, used for dye: Guatemala....562
- Canaan (Biblical land)....6, 13, 739, 740
- Canaanites: Jerusalem, Palestine....748
- Canada....67, 89, 95, 96, 728
  - Exploring Ottawa. By Bruce Hutchison. With 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. 9 ills. in black and white, Nov....565–596
  - Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug....265–284
- Canadian Government....577, 582
- Canajoharie, N. Y...89, 92; color plate VIII, page 88
- Canajoharie Creek, Mohawk Valley, N. Y....89
- Canajoharie Hotel, Canajoharie, N. Y....92
- Canajoharie Library and Art Gallery, N. Y....90
- Canal Street, New Orleans, La....727; color plates II, page 714; III, page 715
- Canal Zone....523, 524
- Canals. *See* Cape Cod Canal; New York State Barge Canal; Rideau Canal
- Candle, Monk lowers, into well: Palestine....ill. 744
- Candles
  - London....778
  - Used to tell time....420
- Candytuft (*Iberis*, various species)..26; color plate, page 27
- Cane, Sugar: Louisiana....726, 846
- *Canisteo* (tanker)....500
- Canisters, Painted: London provisioner's....781
- *Canna flaccida* (Canna species)....52
- *Canna indica* (Indian Shot)....52
- Cannas....1, 52; color plate, page 53
- Canoe: American Point, Minn....ill. 275
- Canoes, Dugout, Indians fashion....plate VII, page 359
- Cans, Gasoline, used as water containers: Yemen..ill. 655
- Canterbury Bells (flower)....19
- Canton Island, Phoenix Islands....208, 307
- Cape Cod Canal....205, 209
- Cape Hatteras Lifeboat Station, N. C....340
- Cape Hatteras Light, N. C....340
- Cape Henry Light, Va....331; ill. 326
- Caper family (flowers)....52
- Capetown, South Africa....32
- Capitol, State: Baton Rouge, La....color plate I, page 713
- Caps, Black caracul, Foreign visitors wear: Yemen....color plates III, page 647; X, page 662; XVI, page 668
- Capstan bar, used in seine fishing: Finland....ill. 255
- Carbon dioxide, used in man-made snow and rain....109
- Cardinal Climber....52
- Cardinal-Flower, American (*Lobelia cardinalis*)....34
- Cardwell, Walter....832, 841
- Careswell (estate), Plymouth Colony....217
- Caribbean Regions
  - The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors, Oct....523–524
- Caribbean Sea....325, 336
- Caribs (people): Livingston, Guatemala....558
- Carillon: Peace Tower, Parliament, Ottawa....572, 583; ill. 584
- *Carl Gerhard* (Swedish steamship)....337
- Carmel, Mount, Palestine....745

Page
Carmel formation (sandstone): Utah 174
Carmelita, Guatemala 548
Carnegie Institution of Washington 683
  Derwood, Md.: Experiment station ill. 674
Carnival in San Antonio (Texas). By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white, Dec 813-844
Caroll A. Deering (ship) 349
Carotene (vitamin) 722
Carpenter, Barbara 67; color plate IV, page 84
Carpenter, Duane 67
Carpet sweepers: London ill. 788
Carriage, State: India color plate III, page 615
Carrizo (bamboolike grass) 813
Carrots, used for barter: Croydon, England ill. 775
Carryall, Cloth: London 786
Carson, Col. Kit 165
Cart: Yemen ill. 655
Cartographers: *Bowditch*, U. S. S ill. 143
Carts, Pony: London 786
Carvings
  Antigua, Guatemala color plates, pages 549, 550
  Stone: Parliament, Ottawa 570, 572, 582; color plate IX, page 589
Cash Valley, Utah 175; color plate V, page 181
Castle, Medieval 19; color plate, page 18
Castle Valley, Utah 173
Castles
  British Castles, History in Stone. By Norman Wilkinson. 16 etchings, July 111-129
  See also 'Athlit; El Kerak
Castor-Oil-Plant (*Ricinus communis*) 34; color plate, page 35
Cat, London dairy 775; ill. 777
Cataracts, Ice: Antarctica 483
Catesby, Mark 16
Catfish: Utah 162
Cathedral, Guatemala City, Guatemala color plates, pages 530, 559
Cathedral of Pisa, Italy 423
Cato (Roman writer) 13
Cattle
  Cape Hatteras, N. C 349, ill. 335; color plate III, page 343
  Delhi, India 605; ill. 599
  Louisiana 721, 723, 737
  Texas 841, 842
  United States, South Central 845
Cattle show: San Antonio, Tex ill. 830
Cattlemen: San Antonio, Tex 825; ill. 814
Caughnawaga (Indian village): Mohawk Valley, N. Y 92
Cavalryman, executes maneuvers: Peacock Military Academy, Tex ill. 831
Caves, Prehistoric: Mount Carmel, Palestine 745
Cedar, Spanish: Guatemala 540
Cedar Point light, Scituate, Mass 218
Ceiling, Barracks, ice crystals adorn: Antarctica ill. 485
Celebrations, Indian: Guatemala color plate, page 527
Cemetery, American Army: Greece 795
Central America 722, 727
  The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors. Oct 523-524
Central Block, Parliament, Ottawa 582, 585
Central Group (group of ships), Antarctic Expedition 431, 432, 434, 435, 455, 457, 458, 480
Central New York School for the Deaf, Rome, N. Y. ill. 71
Central Park, Guatemala City, Guatemala color plate, page 559
Ceremonies, Initiation, crossing the equator 438
Cerro de Oro (hill), San Antonio Palopó, Guatemala color plate, page 538
Chain, salvaged from sunken Japanese ships 145
Chair, Speaker's, House of Commons, Ottawa 567
Chaldean Empire 8
Chaldees (Biblical people) 5, 13
Chalkley, Capt. Harry G., Jr., USN 721
Chalmers, Harvey (author) 95
Chamber of Commerce, San Antonio, Tex 830
Chambers, Robert W 96
Champlain, Samuel de (French explorer) 206, 568, 581
Chandeliers, Quetzals on: National Palace, Guatemala City, Guatemala 559
Chandni Chauk, Delhi, India 605
Channel, Artificial: San Antonio River ill. 842
Chapatti (bread): Delhi, India ill. 610
Chapel Royal, Stirling Castle, Scotland 112
Chapín, Juan (fictional character) 525
Charcot Island, Antarctica 504
Chariots, Floral: San Antonio, Tex color plate VI, page 822
Charles V (emperor) 540
Charles V (French king) 413, 420
Charleston, S. C 16, 17
Charlotte Sophia, Queen 32
Charpoy (bed): Delhi, India ill. 609

Page
Chart: *Bowditch*, U. S. S ill. 143
Charts
  Hydrographic: *Sumner*, U. S. S 132, 134
  Japan 131, 138
  Yellow-rubber, for life rafts 142, 143
Château Laurier, Ottawa, Canada 585, 587; ill. 568-569; color plate VI, page 578
Châtillon, Renaud de 766
Chaucer, Geoffrey 19
Chaudiere Falls, Ontario-Quebec 581; ill. 568-569
Chaudiere power stations, Ontario-Quebec 585; ill. 568-569
Chelsea, London ill. 788
Chelsea Physic Garden, England: Rock garden 15
Cheiranthus Cheiri (Wallflower) 21
Chemist shops: London 787, 789
Chênières (drier oak-grown flats): Louisiana 709
Cherry
  Australian Brush 49
  Flowering color plate, page 46
  Surinam 49
Cherry blossoms 47
Cherry Valley, N. Y 96
Chesapeake Bay 325, 326, 329, 330, 336, 344
Chevon (goat meat) 832, 842
Chevy Chase, Md 500
Chicago Daily News 597
Chicamacomico Station, N. C 339, 340
Chicle: Guatemala 547, 548
Chicle Development Company 547
Chicle tappers: Guatemala 525, 547; color plate, page 547
Chicleros (chicle tappers): Guatemala 547, 548, 552; color plate, page 547
Chief
  Indian plate IX, page 361
  Ulithi: Tattoo ill. 140
Child, Mother holds: Tel Aviv, Palestine ill. 751
Children
  Finland 241; ill. 249, 258, 259, 261, 264
  Greece 793; ill. 794, 805, 810
  India ill. 630
  Louisiana color plates XIV, page 734; XVI, page 736
  Mohawk Valley, N. Y ill. 68, 71, 93, 106
  Navajo Indians color plates I, page 165; VIII, page 172
  Okinawa (island) ill. 136
  Ottawa, Canada color plate X, page 590
  School: U. S. Naval Observatory, Wash., D. C. ill. 404
  Scituate, Mass color plate II, page 210
Chile 295, 727, 737
Chimney: Finland: Ruins 237; ill. 240
China 105, 286, 289, 710, 722, 728
China in Turkistan 14
China Poblana costume (regional dress of Puebla, Mexico) ill. 826
Chippewa (Indian tribe) 272, 284; ill. 275, 276
Chippewa Indian settlement: Buckete Island, Ontario, Canada 275
Chirimía (musette): Guatemala 540; color plate, page 541
Chocomil (winds): Guatemala 536, 538
Christ, Jesus 631, 640, 727, 739, 744, 745, 746, 747, 749, 750, 751, 752, 810
  Transfiguration 752
Christianity: Palestine 748, 752
Christmas-rose (*Helleborus niger*) 3
Chronometers
  Eclipse equipment: Brazil 295, 315
  Ships 407, 423, 428
  U. S. Naval Observatory ill. 408
Chrysanthemum (*Chrysanthemum morifolium*) 45, 47; color plate, page 44
Chrysanthemum cinerariaefolium 4
Chrysanthemum coccineum (pyrethrum) 4
Chrysanthemum parthenium ("feverfew") 4
Chuch-cajau (Lord of the Burning Place) 562
Church
  Greek Orthodox: Palestine ill. 744
  New Delhi, India: Wedding color plate VIII, page 620
  Plymouth, Mass ill. 195
  Roman Catholic: St. Martinville, La 710
Churches, Ruined: Antigua, Guatemala 527; color plate, page 549
Churchill, Winston 674
Churchyard, St. John's: Johnstown, N. Y 93
Cigarettes: London 790
Cinar Spot of Earlsmoor (dog) 394
Cinar's Soot (dog) 396
Circassians: Trans-Jordan color plate X, page 762
Citadel: Hais, Yemen 653, 654
Cities Service refinery, Lake Charles, La 721; color plate VI, page 718
City council: Ottawa, Canada 586
City Hall, Guatemala City, Guatemala 528
"the city of chimneys" (Rovaniemi), Finland 237
"the city of *korsus*" (Kuusamo), Finland 240
City planning: Ottawa, Canada 579
Civil Code of Louisiana: Bas-relief panels depict preparation of: Louisiana ill. 725
Civil War, U. S 712, 721

Page

- Civilization: Yemen 631
- Clark, Maj. Delbert M ill. 314
- Clark, Harlan B color plates III, page 647; X, page 662; XVI, page 668
  - Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov 631-672
- Clark, William 60
- Clarkia (*Clarkia elegans*) 60; color plate, page 61
- Clark's Island, Mass 205, 208
- Classroom: Ottawa, Canada color plate XI, page 591
- Clay: Plymouth, Mass 211
- Clay Hill Crossing, San Juan (river), Utah 153
- Clayton, John (plant explorer) 16
- *Claytonia* (plant species) 16
- Clematis (*Clematis lanuginosa*) 45; color plate, page 44
- Clematis, Jackman's 45
- *Clematis patens* (Clematis species) 45
- *Clematis viticella* (Clematis species) 45
- Clemenceau, Georges 601
- *Cleome spinosa* (Spider Flower) 52
- Cleopatra (Egyptian queen) 750
- *Clepsydra* (water clock) 420
- Clerk Assistant, Ottawa, Canada color plate III, page 575
- Clerk of the House, Ottawa, Canada color plate III, page 575
- Cliff: Ascalon, Palestine ill. 746
- Cliffs, Sandstone: Arizona ill. 152
- Clinton, Geoffrey de 112
- Clinton, Gen. James 92
- Clinton, N. Y 80
- Clock
  - Alarm ill. 400
  - Bern, Switzerland ill. 421
  - Coffee-maker: Brazil ill. 411
  - Derivation of name 420
  - Fleet Street, London ill. 418
  - Grand Central Station, N. Y ill. 416
  - Palais de Justice, Paris ill. 413
  - Peace Tower, Parliament, Canada 565, 583; color plates XII-XIII, pages 592-593
  - Public: New York City ill. 426
  - Water 420
  - Westminster: London ill. 425
  - World's largest: New Jersey 425; ill. 410
- Clock tower: Fort Sam Houston, Tex color plate IX, page 833
- Clock-watch, Portable 422; ill. 424
- Clocks and clockmaking
  - Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer. 36 ills., Sept 399-428
    - Brass clocks 426
    - Crystal-controlled 401, 404
    - Daily News Building, N. Y. City ill. 424
    - Jensens' collection ill. 427
    - Master
      - U. S. Bureau of Standards 401, 402
      - U. S. Naval Observatory 401; ill. 404
    - Pendulum: U. S. Naval Observatory 401
    - Vault: Riggs National Bank, Wash., D. C ill. 423
- Cloth: Utica, N. Y color plate XII, page 100
- Clothing and costumes
  - Actors: North Carolina color plates VI, page 346; VII, page 347
  - Fiesta: San Antonio, Tex color plates II, page 818; III, page 819; VI-VIII, pages 822-824; XVI, page 840
  - Finland 236, 241, 258; ill. 234, 238, 250
  - Foul-weather, Navy photographer wears ill. 498
  - Guatemala 529, 538, 540; color plates, pages 526, 527, 529, 533, 540, 542, 543, 544-545, 551, 561, 564
  - India 605; ill. 604, 605; color plates V, page 617; XI, page 623
  - Indian: Johnstown, N. Y ill. 95
  - Keeping House in London. By Frances James. 24 ills., Dec 769-792
  - Navajo Indians color plate I, page 165
  - Palmer collection: Guatemala 529
  - Yemen 644, 654, 669; ill. 632, 633, 640, 642, 654, 670, 672; color plates III, page 647; IV, page 648; VI-VIII, pages 650-652; X, page 662; XV, page 667; XVI, page 668
- Clumber Park (estate), England 387
- Clusius (Dutch herbalist) 15, 28
- Cnossus, Crete 25
- Coachman's quarters: London ill. 789
- Coal: Antarctica 517
- Coal shortage: London 778, 792
- Coat, Finnish Army, La Verne Bradley wears ill. 236
- Coat of arms: Bern, Switzerland ill. 421
- Coats
  - Buffalo: Royal Canadian Mounted Police, Ottawa 565; ill. 571; color plate I, page 573
  - Red serge: Royal Canadian Mounted Police color plate IX, page 589
- Cobán, Guatemala 547, 552
  - Quetzals color plate, page 558
- Cobb, Lloyd J 720, 723

Page

- Cobb, Mary 723; color plate VIII, page 720
- Cockfighting: San Antonio, Tex 826
- Cod, Cape, Mass 193, 207, 208
- Cod: London 785
- Cod-liver oil: London 773
- Coelho, General ill. 296
- Coffee
  - Finnish hospitality: Finland 246
  - Guatemala 525, 547
  - Mocha: Yemen color plate II, page 646
  - Yemen 631, 636, 637, 638, 669
- Coffee drinking: London 790; ill. 789
- Coffin, Stone: Palestine 751
- *Cofrades* (members of Guatemalan Indian brotherhood) 540; color plate, page 538
- *Cofradía* (Guatemalan Indian brotherhood) 540
- Cohoes, N. Y 110
- Cohoes Falls, N. Y 76, 110
- Coins, tossed from bridge: San Antonio River ill. 842
- Coke
  - Flown from New Jersey to Cuba 524
  - Hauled in perambulators: London ill. 778
- Colds, Absence of: Antarctica 510, 511
- Cole, Mrs. Fran 268; ill. 276
- Cole's Hill, Plymouth, Mass 193, 219; ill. 197
- Colgate-Palmolive-Peet Company, Jersey City, N. J. 425
  - Clock ill. 410
- Colgate University: Aurora study 676, 697, 698, 699, 700, 703
- Colington Island, Albemarle Sound, N. C 337
- College of Nursing, New Delhi, India 630; ill. 605
- Collins, Seaman William ill. 439
- Colombia, South America 737
- Color inserts. *See* National Geographic Society: Color photographs, Paintings
- Colorado (river), U. S 150, 153, 154, 155, 161, 163, 164, 168, 173, 174, 176; ill. 150, 152, 158, 162; color plates VIII, page 172; IX, page 185
- Colorado Museum of Natural History, Denver 149
- Colors, Stratification of, in Antarctic mountain 477
- Colson, David ill. 277
- Colson, Frank 273
- Colton, F. Barrows
  - Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept 285-324
  - Photograph of ill. 297
  - Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer. 36 ills., Sept 399-428
- *Columbia* (ship) 217
- Columbia River, U. S.-Canada 217
- Columbines 60
- Columbus, Christopher 351, 523, 722
- Columella (Roman writer) 13
- Columns, Greek, Origin of 8
- Comanche Frank (dog) 370
- Comanches (Indians): San Antonio, Tex 826
- Comb, swapped for tobacco: Ulithi (island) ill. 145
- Comber (wave): Minots Ledge Light, Mass ill. 205
- Commerce Street, San Antonio, Tex 813
- Commonwealth Bay, Antarctica 495
- Commonwealth Range, Antarctica 468, 483
- Community Plate (silverware): Oneida, N. Y 80
- Compass
  - Magnetic 442, 514
  - Sun 453, 460, 463; ill. 442
- Compositae. *See* Sunflower Family (flowers)
- Concepción (mission), San Antonio, Tex 816; color plate IV, page 820
- Concord, Mass 217
- Conductor, Railroad ill. 409
- Confederation Hall, Parliament, Ottawa 570
- Confederation of Canada 581
- Confederation Square, Ottawa color plate VI, page 578
- Conference, Inter-Asian Relations: New Delhi, India color plate XIII, pages 624-625
- Congressional Lifesaving Medal, awarded Admiral Byrd 432
- Congressional Medal of Honor, awarded Admiral Byrd 432
- Connaught Circus, New Delhi, India 600; air view 602
- Connaught Place, New Delhi, India 600
- Conquista, Dance of the: Guatemala 540, 541
- Conquistadores: Mexico 14, 54
- Consolidated Chemical Industries, Inc., La 726
- Constellations color plates I, page 685; III, page 687; VIII, page 692
- Consulate, American: Aden, Aden Protectorate 631
- Continental Congress (1777) 69
- Conway Castle, Wales 129; etching, page 124
- Cook, Captain James 49, 429
- Cooke, Frank 149, 164; ill. 150
- Cooke, John 193, 219
- Cooke, Marjorie 149
- Cooking fat: London 783

Page

- Cooper, Guy 207
- Cooper Glacier, Antarctica 484
- Copacabana Beach, Rio de Janeiro, Brazil 289
- Copolymer Corporation, La 726
- Copper City (Rome, N. Y.) 69
- Coral heads, Blasting of
  - Funafuti (island) 141
  - Nukufetau (island) 140, 141
  - Tarawa (island) 143
  - Ulithi (island) 145
  - Wallis Islands 131, 133
- Cordillera Cutucú, South America 1
- Cordova, Spain 14
- "Corduroy" road: Dawson Trail, Canada 275
- Corinne, Okla 845
- Corinth (Kórinthos), Greece 795, 796, 797
- Corinth, Gulf of (Korinthiakós Kólpos), Greece 796, 809
- Corinth Canal, Greece 795
- Cork: Latin American production 524
- Corn, in wooden back packs: Santiago Atitlán, Guatemala color plate, page 542
- Corn crop: Guatemala 525
- Cornell University, Ithaca, N. Y 795
  - Aurora research 673, 676, 697, 700
- Cornplanter (Seneca chief) 89
- Cornwell, Capt. Delbert S 444, 453
- Corolla, N. C 331
- Corona, a form of aurora 673, 701, 702, 703–704; ill. 694; color plate IV, page 688
- Corona, Sun's, seen during eclipse 300, 306, 310, 311, 312, 316; color plates I, page 301; II, page 302
- Corona Borealis (constellation) ill. 694
- Corpus Christi day: Guatemala color plate, page 564
- *Corrals* (pens): San Antonio, Tex 830
- Correspondents, Press: Antarctica 517
- Cortés, Hernando 14, 54, 55, 525, 528
- Cosmic rays 295, 299, 313, 314
- Cosmos (*Cosmos*, various species) 56; color plate, page 57
  - Wild: Todos Santos Cuchumatán, Guatemala color plate, page 533
- *Cosmos bipinnatus* (Cosmos species) 56
- *Cosmos sulphureus* (Cosmos species) 56
- Costa Rica: Boundary 523
- Costermongers: London 771, 789; ill. 776
- Cottage, European: Garden color plate, page 20
- Cotton: Arkansas 846
- Cotton prints, Feed store: San Antonio, Tex color plate XII, page 836
- Council House fight: San Antonio, Tex 826
- "Countries of the Caribbean" (map supplement) 523
- "Court Circular": New Delhi, India 612
- "Court of the Two Sisters" (restaurant), New Orleans, La 705
- Courthouse
  - Johnstown, N. Y 96
  - Plymouth, Mass 195
- Courthouse Towers, Arches National Monument, Utah 174; color plate VI, page 182
- Courthouse Wash, Utah 174; color plates VIII, page 184; XV, page 191
- Courtyard, Medieval color plate, page 18
- Covenanters: Scotland 112
- Covent Garden, London 786
- Cow, Sacred: India ill. 630
- Cowboys
  - Brazil 295
  - Carnival in San Antonio. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white. Dec 813–844
- Cow's-lip (*Primula veris*) 19
  - Wild color plate, page 18
- Coyol palm tree: Guatemala 552
- Crabs
  - (*Emerita talpoida*) 331, 335
  - Fresh-water: Lake Atitlán, Guatemala 534; color plate, page 539
  - Great sand barrier reef 349, 350
- Cradle, Wicker: Pilgrim Hall, Plymouth, Mass ill. 194
- Craft, Small: Scituate Harbor, Mass color plate II, page 210
- Craftsmen, carve ivory: Delhi, India color plate X, page 622
- Cranberries: Old Plymouth Colony, Mass 204
- Cranberry bogs: Massachusetts ill. 201
- Crane, Charles R 632, 659
- Cranesbill (Geranium) 36
- Crescent, N. Y 78
- Crescenzi, Piero 13
- Crevasse
  - Ice, bridged with steel planking: Antarctica ill. 489
  - Snow, photographer hauled up from ill. 487
- Crevasses, Glacier: Antarctica duotone plates, pages 469, 473
- "Croatoan" (word carved on tree) 351
- Crockett, David (Alamo hero) 815
- Crocus
  - Balkan (*Crocus moesiacus*) 23
  - Cloth-of-gold (*Crocus susianus*) 7, 23

Page

- Crocus—(Cont.)
  - Saffron (*Crocus sativus*) 23
  - Spring (*Crocus vernus*) 23; color plate, page 22
- Crokinole (game), Family plays: Johnstown, N. Y. ill. 93
- Cromwell, Oliver 129, 217
- Crooks, Shepherds': Greece ill. 799, 809
- Crookston, Minn 265
- Crops
  - Forage: Louisiana 721
  - Greece 803, 805, 806, 807, 809, 810, 811; ill. 810
  - Rome, N. Y 71
  - Yemen 670, 671
- Cross
  - Granite: Cape Henry, Va color plate IV, page 344
  - Wooden, erected by priests: Northwest Angle, Minn. 268; ill. 273
- Crossing of the Fathers, San Juan (river), Utah 155, 161, 164
- Crowder, William
  - Unlocking Secrets of the Northern Lights. 8 ills. in color from paintings by William Crowder. Nov 685–692
- Crown Imperial (*Fritillaria imperialis*) 30; color plate, page 31
- Crown-of-Thorns (*Euphorbia Milii*) 38, 56; color plate, page 39
- Croydon, England: Store ill. 775
- Crucifer Family (flowers) 21
- Crusader period: Palestine 745, 748
- Crusaders: Palestine 748, 752
- Crustaceans: Antarctica 513
- Cruzen, Rear Adm. Richard H 430, 434, 435, 436, 438, 439, 441, 455, 501, 503, 515, 517; ill. 441, 491, 522
- Crystal City, Tex 845
- Crystals
  - Ice, adorn walls of barracks: Antarctica 442; ill. 485
  - Quartz, Boy holds: New York ill. 78
  - Vibrating, control clocks 401, 404
- Cuba 721, 722, 728, 737, 738
  - Population figures 523
  - U. S. military base 523
- Culpepper, Lord 129
- Cultivation of plants, Beginning of 3
- Cummings, Prof. Byron 162
- Cup-Flowers (*Nierembergia*, several species) 50; color plate, page 51
- Curaçao, Netherlands West Indies: *Sumner*, U. S. S. ill. 132
- Curran, Ceola 712
- Currents, Ocean: Antarctica 457
- Currituck, N. C 325
- *Currituck* (seaplane tender) 491, 499
- Currituck Beach Light, N. C 331, 337, 349
- Currituck Sound, N. C 331, 337
- Cushing, Justice William 219
- Customhouse, U. S., Oak Island, Minn 267
- Customs
  - Delhi, India 607–608; color plate XVI, page 628
  - Guatemala 542; color plate, page 557
  - Indian
    - Florida 352; plates VI, page 358; VIII, page 360; IX, page 361; XIII, page 365
    - Virginia 351, 352; plates I–V, pages 353–357; VII, page 359; X–XII, pages 362–364; XIV–XVI, pages 366–368
- Cutts, Charlotte 208
- Cyclists: Plymouth, Mass ill. 200
- Cyclones: Antarctica 512
- Cylinders, Steel 295; ill. 313
- Cypress Gardens, Fla.: Lilies ill. 2
- Cypress Vine (*Quamoclit pennata*) 52; color plate, page 53
- Cyprus (island), Mediterranean 14
- Cyrus, the Persian 8

D

- Dagger, Amir Abdullah wears color plate II, page 754
- Daggers, Ornate, Tribesmen carry: Yemen ill. 640
- Dahl, Andreas 54
- Dahlias 3, 54, 56; color plate, page 55
  - Mexican: Skagway, Alaska 1
- Daily News Building, N. Y.: Lobby ill. 424
- Dairies: London 770, 772, 775; ill. 777
- Daisies
  - English (*Bellis perennis*) 19; color plate, page 18
  - Michaelmas (*Aster*, various species) 62; color plate, page 63
  - Swan River (*Brachycome iberidifolia*) 49; color plate, page 48
- Daisy, Ark 845
- Dalhart, Tex 846
- Dalhousie, Earl of: Quoted 581
- Dallas, Tex 711, 737
- Dalyngrugge, Sir Edward 129
- Damascus, Syria 14
- Damascus Gate, Palestine 743

XUM

Page
Dan, Holy Land....741; ill. 741
Dana, Richard Henry.... 207
Dance
  Ceremonial: Guatemala.... 540
  Dagger, Troops perform: Yemen....644; ill. 632
  Mexican, Twins perform....ill. 826
Dancers: India....ill. 612; color plate XI, page 623
Dances: India....color plates X, page 622; XI, page 623
Danny (child)....ill. 751
Dante, Alighieri....349, 350, 562
Darby, Pa.... 16
Dare, Virginia....337, 351
Darien Peninsula, Canal Zone.... 524
Dark Ages....13, 19, 26
Dark Angel, Utah.... 175
Darwin, Charles.... 28
Dasamonquepeuc (Indian village)....plate IV, page 356
Daucus carota (Queen-Anne's-Lace).... 49
Daughters of Texas Trail Drivers....color plates II, page 818; III, page 819
David (Biblical character)....747, 748
Davidson, Jimmy....ill. 773
Davidson, Madge....ill. 773
Dawes, Tom....ill. 94
Dawson, S. J.... 274
Dawson Trail, Canada....270, 274, 275
Daylight saving time....415, 420
DC-2 (airplane).... 233
DDT....800, 805
Dead Horse Point, Utah....173, 176; color plate IX, page 185
Dead Sea, Palestine-Trans-Jordan....743, 748, 766 768
"Deadman" (mooring timber)....459; ill. 464-465, 478
Debating societies: Ottawa, Canada.... 588
Deboyne Lagoon, Louisiade Archipelago....139; ill. 142
De Bry, Theodore....351, 352
  Indian Life Before the Colonists Came. By Stuart E. Jones. 15 illustrations from engravings by Theodore de Bry, 1590. Sept....353-368
Deer: Northwest Angle, Minn....272, 277, 279
Delano, Amasa.... 208
De La Noye, Philippe....208, 215
Delhi, India
  Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 ills. in color from natural-color photographs by Volkmar Wentzel. 16 ills. in black and white, 1 two-thirds-page map. Nov....597-630
  Inlay, Repairing of....ill. 5
Delhi Province, India.... 597
Delhi University, India.... 630
Delicate Arch, Utah....174, 175; color plates IV, page 180; V, page 181
Delmar, Del.: Timekeeping.... 415
Del Mar (steamship).... 737
Del Norte (steamship).... 737
De Long, George Washington.... 429
Delonix regia (Flamboyant).... 38
Del Rio, Dolores (actress).... 710
Del Sud (steamship).... 737
Delta (shipping line): Louisiana....728, 737
Demas Mountains, Antarctica.... 501
Dennison, Aaron Lufkin.... 426
Department of Terrestrial Magnetism, Carnegie Institution of Washington.... 683
Depressed Classes. *See* Harijans
Derbigny, Pierre.... 725
Derceto (goddess of fertility).... 739
De Ridder, La.... 712
Desert
  Palestine.... 741
  Trans-Jordan....766; color plate I, page 753
Desert Magazine....149, 162
Desert Patrol, Trans-Jordan: Members of....color plates XI, page 763; XV, page 767
Desert River (San Juan) Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug....149-172
De Soto, Hernando (explorer).... 728
De Vick, Henry.... 413
Devil ray (devilfish)....139, 141, 142
Devil's Garden, Arches National Monument, Utah 175, 176; color plate XI, page 187
Dhahr, Wadi, Yemen....635, 660; color plate XII, page 664
Dhamar, Yemen....634, 669
Dhiakopton, Greece.... 793
Dhobi (washerman): Delhi, India....ill. 607
Dhotis: Delhi, India....601, 605
Dhows (boats): Yemen....656; ill. 638
"Diamond Ring," effect of sunlight during eclipse 316; color plate, III, page 303
Diaz, Porfirio.... 830
Díaz del Castillo, Bernal.... 528
  House of.... 528
Dicentra (flower genus).... 47
Dicentra eximia (flower species).... 47
Dicentra formosa (flower species).... 47
Dicentra spectabilis (Bleeding Heart).... 47

Page
Dickens, Charles....422, 780
Diervilla florida.... 43
Diervillas (flowers).... 43
Diesel engine: 'Anata, Palestine.... 748
Digitalis, derived from Foxglove.... 20
Digitalis purpurea (Foxglove).... 21
Dime Box, Tex.... 845
Dimorphotheca annua (Cape Marigold species).... 34
Dimorphotheca aurantiaca (Cape Marigold).... 34
Dimple, Tex.... 845
Diodorus (Greek historian).... 8
Diseases: Yemen....633, 653
Distaff (spinning implement): Greece....ill. 804, 808
Diver: Marine Studios, Marineland, Fla....ill. 139
Divers: *Sumner*, U. S. S....133, 134, 138, 139, 140, 141, 142, 143, 144, 146, 147; ill. 138
Diwan-i-Khas, Delhi, India....color plate XI, page 623
  Inlay, Repairing....ill. 5
Dneiper Dam, Europe.... 106
Docks
  Helsinki, Finland....ill. 241
  Warroad, Minn....ill. 280
Dog
  Checking in, canine hotel: Norfolk, Va....ill. 330
  Inoculated aboard ship....color plate III, page 447
  Rides horseback: London....ill. 776
  Sled: Antarctica....ill. 500
Dogs
  Born Hunters, the Bird Dogs. By Roland Kilbon. Paintings by Walter A. Weber. 10 ills. in black and white, 19 ills. in color, Sept....360-398
    Contains descriptions and illustrations of the following: American cocker spaniel, American water spaniel, Brittany spaniel, Chesapeake Bay retriever, Clumber spaniel, Curly-coated retriever, English cocker spaniel, English setters, English springer spaniel, Flat-coated retriever, Golden retriever, Gordon setter, Irish setter, Irish water spaniel, Labrador retriever, Pointers, Short-hair pointer, Sussex spaniel, Weimaraner, Welsh springer spaniel, Wire-haired Griffon.
  Finland....ill. 249
  Sled: Little America....color plate VII, page 451
Dolerite (lava rock).... 478
Dolgeville, N. Y.... 89
Dombey and Son (Dickens).... 422
Dominican Republic: Mountain peaks.... 523
Dominick St., Rome, N. Y.... 71
Dominion Carillonneur, Ottawa, Canada....ill. 584
Dominion of India.... 614
Dominion Range, Antarctica....461, 483
Donaldsonville, La.... 733
Donkey: Greece....ill. 804, 807, 811
Donkeys: San Antonio, Tex....color plate XIII, page 837
Donnell, Robert....ill. 584
Doolittle, Gen. Jimmy.... 823
  B-25's (bombers).... 444
Door, Iron, St. Saba (monastery), Palestine....ill. 750
Doré (illustrator).... 562
Dore, Laurifie....color plate VIII, page 720
Double Arch, Utah....174; color plate I, page 177
Double-O Arch, Arches National Monument, Utah 176; color plate II, page 178
Douglas Room, Stirling Castle, Scotland.... 112
Douglass, Jane.... 89
Douglass, W. B.... 163
Dover Castle, England....112; etching, page 119
Drachma (money): Greece.... 798
Druidaig Bess (dog).... 376
Drums: Guatemala....color plates, pages 541, 561
Drums Along the Mohawk (Edmond).... 89
Drums to Dynamos on the Mohawk (New York). By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page-spread), July....67-110
"Drunken Old Man Going Home at Night" (San Antonio River).... 813
Dutch Reformed Church, Mohawk Valley, N. Y.... 89
Duxbury, Mass....193, 208, 217; ill. 203
  Sailboats....color plate VI, page 214
Duxbury Bay, Mass....205, 208
Duxbury Beach, Mass.... 205
Duxbury Yacht Club.... 208
Dwelling
  Greece....ill. 795
  Oaxaca, Mexico....color plate, page 57
Dwellings
  Finland....236, 238, 240, 241; ill. 249, 250, 258, 259
  Guatemala....528; color plate, page 550
  London.... 769
  Mohawk Valley, N. Y....79, 80, 89
  Yemen....659, 671; ill. 639, 656; color plates IX-XII, pages 661-664
  See also Huts; Mansions
Drying cupboards, in kitchens: London.... 791
"Duc van Thol" (tulip group).... 28
Duck, N. C.... 337
"Ducks" (type of boat).... 214

Page
Ducks, Mounted (marsh scene): Louisiana ... color plate XII, page 732
Dudley, Robert (Earl of Leicester) ... 129
Dufek, Capt. George J ... 500, 501, 502, 503, 504, 505
Dufferin, Lady ... 265, 275
Dugong (marine mammal) ... 139, 144; ill. 130
Dugouts (canoes): Guatemala ... 534, 552, 558
Dukw (amphibious truck) ... 147; ill. 136
Duncan (Scottish king) ... 111
Duncan Field, San Antonio, Tex ... 825
Duncan Room, Glamis Castle, Scotland ... 111
Dune, Grass-anchored: Kill Devil Hill, N. C ... color plate I, page 341
Dunes, Sand: N. C.-Va ... 325, 328, 329, 330, 331, 335, 337, 338, 340, 350
Dunes of Dare, N. C ... 325
Dunn, William H ... 161
Dunnottar Castle, Scotland ... 112; etching, page 117
Durbar Hall, Delhi, India ... 611
D'Urville, Dumont ... 429, 401
Dustin, Lt. Comdr. F. G ... 517; ill. 482
Dutch East India Company ... 32
Dutch Government ... 28
Dyes, Vegetable: Guatemala ... 515, 562; color plate, page 535

E

Eagle, Hapsburg, on huipil: Guatemala ... color plate, page 540
Eagles, Bald: North Carolina ... 331
Eaker, Ira ... 825
Earl of Douglas ... 111, 112
Earl of Warwick ... 129
Earls of Clarendon ... 129
Earls of Strathmore ... 111
"Earnscliffe" (mansion), Ottawa, Canada ... 587
Earphones, Children use: Rome, N. Y ... ill. 71
Earth ... 285, 286, 288, 299, 300, 309, 310
"Earth time" (star time) ... 399
Earthquakes: La Antigua, Guatemala ... 525
Easley, John A., Jr ... 693
East Africa ... 295, 631
East Block, Parliament, Ottawa, Canada ... 582, 585; ill. 568-569
East End, London: Venders ... 789
East Lothian (county), Scotland ... 112
Easter lily. *See* Lily, Bermuda
Eastern Group (group of ships) ... 500, 511
Eastham, Mass ... 193
Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept ... 285-324
Edaville ("plantation"), South Carver, Mass ... 204
Eden, Garden of ... 712
Edgartown, Mass ... 217
Edgerton, Harold E.
  Hummingbirds in Action. By Harold E. Edgerton. With 15 ills. in color from natural-color photographs by the author. 2 ills. in black and white, Aug ... 221-232
  Photograph of ... ill. 220
Edgerton, Mary Lou ... color plate I, page 225
Edgewater, N. J ... 738
Edinburgh Castle, Scotland ... 111; etching, page 114
Edison, Thomas A ... 105
Edmond, Walter D ... 89
Edward I (English king) ... 112, 129
Edward II (English king) ... 120
Edward VII (English king) ... 581
Edward VII Peninsula, Antarctica ... 509
Edwards Plateau, Tex ... 843
Edwin (Northumbrian king) ... 111
Edwinsburgh (outpost), Scotland ... 111
Eggplants: London ... 782-783
Eggs: London ... 772, 776, 783
Eglantine (*Rosa Eglanteria*) ... 19
Egypt ... 67, 105, 337
Eight Monkey. *See* Guajxaquip Báts
Eight Thread, Day of (Guajxaquip Báts): Guatemala. 562
Eilbeck, Capt. Henry ... 513
Einstein, Albert ... 300, 306, 308, 309, 316
Eisenhower, Second Lt. (now Gen.) Dwight ... 825, 831
Eisteddfod (Welsh singing festival): Utica, N. Y ... 79
Ekron ('Aqir), Holy Land ... 739
El 'Affule, Palestine ... 750-751
Elaine, Ark ... 845
El 'Alamein, Egypt ... 566
Elamites (people) ... 7
El Dherba, Yemen ... 669
Elecampane (species of *Inula*) ... 3-4
Electric power: Mohawk Valley, N. Y ... 85
Electrical goods: London ... 788
Electrical plants: New York ... 105, 106
Electrons ... 310
Elephant: Brackenridge Park, San Antonio, Tex. color plate XI, page 835
Elephants, Stone: Arches National Monument, Utah color plate X, page 186
Elephant's-Ear (plant) ... 32
El Estor, Guatemala ... 552
Elgiloy (Elgin alloy), Band of ... ill. 414
Elgin, Lord (Canadian Governor-General) ... 581
Elgin Gardens: New York ... 17
Elgin National Watch Company ... 414, 426, 428
Elinvar (nickel-steel alloy) ... 407
Elisha's Fountain, Palestine ... 750
Elizabeth (English queen) ... 112, 422, 423
Elizabeth (queen consort) ... 111
Elizabeth, Queen (drama character) ... color plate VI, page 346
Elizabethan English ... 4
Elk, Wild: Northwest Angle, Minn ... ill. 281
El Kerak, Trans-Jordan ... 759; color plate XIV, page 766
El Khazna, Petra, Trans-Jordan ... color plate VIII, page 760
Elliott, Ensign L. V ... 148
Ellis Island, N. Y ... 67
Ellison, E. S ... 109
Ellsworth, Lincoln ... 435
Elm trees: Ottawa, Canada ... 587; color plates XII-XIII, pages 592-593
Elreton, Henry de ... 129
El Teatro Nacional, San Antonio, Tex ... 831
Embalming, Indian methods of ... 352; plate XVI, page 368
Emerald Isle (Ireland) ... 381
Emerita talpoida (crab) ... 331
Emerson, Ralph Waldo ... 202, 426
Empire State Building, N. Y ... 401, 721
Enaud, Arthur ... 388
Enchiladas: San Antonio, Tex ... 832
Engelhard, N. C ... 349
Engine, Jet-airplane ... 108; ill. 75
Engineer, Railroad ... ill. 409
Engineers
  British: Canada ... 581
  Navy Hydrographic ... 132; ill. 134, 136
England ... 67, 92, 338, 728, 793
  British Castles, History in Stone. By Norman Wilkinson. 16 etchings, July ... 111-129
  See also London
English Springer Spaniel Field Trial Association ... 397
Engravings. *See* National Geographic Society: Engravings
Entrada sandstone: Utah ... 174
Epitaph, Tombstone: Louisiana ... 710
Equator-crossing ceremonies ... 289; ill. 438
Erebus, Mount (volcano), Antarctica ... 479, 516; duotone plates, pages 472, 476
Erebus (ship) ... 435, 468
Ericaceae. *See* Heath Family (flowers)
Erie Canal, N. Y ... 67, 71, 77, 97
Eriogonums ... 60
Erosion
  Erosion, Trojan Horse of Greece. By F. G. Renner. 19 ills., 1 half-page map, Dec ... 793-812
    Possibility of checking ... 803
    Soil ... 794, 795, 796, 797, 802, 803, 805, 808, 810, 812; ill. 806
  Palestine ... ill. 746
  Utah ... 174, 176, 181
Escalante, Padre Silvestre Vélez de ... 161, 164
Escape (yacht) ... ill. 70
Escapement (watch part) ... 423; ill. 419
Eschscholtz, J. F. (botanist) ... 60
Eschscholzia californica (California Poppy) ... 60
Esdraelon, Plain of, Palestine ... 750
Eskimos
  Aurora, Story concerning "noise" of ... 694
  Auroras, Beliefs concerning ... 693
  Copper Eskimos ... 693
  Ottawa, Canada: Picture of ... color plate XI, page 591
Espada (mission), San Antonio, Tex ... 816; color plate V, page 821
Essar Ranch, San Antonio, Tex ... 841
Esther, Book of ... 7
Etchings. *See* National Geographic Society: Etchings
"Eternal Triangle" (belfry bell), Courthouse: Johnstown, N. Y ... ill. 94
Ethelfleda (daughter of Alfred the Great) ... 129
Ethyl Corporation, La ... 726
Eton (school), England ... 780
Eucalyptus (*Eucalyptus*, various species) ... 49; color plate, page 48
Eucalyptus ficifolia (gum species) ... 49
Eucalyptus globulus (Blue Gum) ... 49
Eucalyptus polyanthemos (gum species) ... 49
Eunice, La ... 845
Euphorbia Milii (Crown-of-Thorns) ... 38
Euphorbia pulcherrima (Poinsettia) ... 56
Euphorbia splendens (Crown-of Thorns) ... 38
Euphrates (river), Syria ... 6, 7
Europe ... 286, 669, 737
Evangeline (Acadian girl) ... 710
Evangeline Oak: Louisiana ... 710
Evans, Cape, Antarctica ... 516, 522
Executive Committee Range, Antarctica ... 490
Evening-Primrose Family (flowers) ... 50
Evening Shade, Ark ... 845

Page
Ewing, John D.... 711
Excavators, Government: Antigua, Guatemala.... 527
Exhibition: Victoria and Albert Museum, London. 777, 780
Expeditions and exploration
  Antarctic
    Antarctic expedition (1939-41).... 430
    Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct.... 429-522
  Botanical: Mexico.... ill. 7
  Desert River Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug.... 149-172
  Eclipse (1947)
    Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept.... 285-324
    U. S. Army Air Forces-National Geographic Society.... 406
  Yunnan Province, China (1923).... 10
Explorers' Hall, National Geographic Society.... 208
Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map, Sept.... 325-350
Exploring Ottawa. By Bruce Hutchison. With 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. 9 ills. in black and white, Nov.... 565-596
Exuma (island), Bahamas.... 523
Eye splice: Plymouth Cordage Company.... ill. 204

F

Faces, Colored: *Holi* celebration: India.... color plate XVI, page 628
Facio, Nicholas (watchmaker).... 422
Factories
  Finland.... 233
  See also Mills; Plants
Factory, Sidewalk: Greece.... ill. 796
Fair
  Garden Club, Plymouth, Mass.. color plate VIII, page 216
  Quezaltenango, Guatemala... 541; color plate, page 561
Fairfax, Lord.... 129
Fairhaven, Mass.... 193, 219
Fall River, Mass.... 219
False Cape, Va.... 325, 331, 349; ill. 327
Famine (1943): Bengal, India.... 609
Far East.... 669, 728, 737
Far Eastern Commission.... 601
Farián, Padre Antonio.... 538
Fargo, N. Dak.... 284
Farm implements: Northwest Angle Museum, Minn. ill. 269
Farmington, Maine.... 204
Farms: Mohawk Valley, N. Y.. 79; color plate VII, page 87
Farquhar, Francis.... 149, 150, 151; ill. 162
Farquhar, Marjorie.... 149, 163; ill. 162
Farringdon market, London.... 789
Farringdon Street, London.... 789
Fashion show: Union College, Schenectady, N. Y. color plate II, page 82
Fat Stock Show: Louisiana.... 709
Father, mother, and baby: Kew Gardens, London. ill. 772
Father and son
  Arab: Petra, Trans-Jordan.... color plate IX, page 761
  Play musical instruments: Sololá, Guatemala color plate, page 541
Fauteux, Dr. Gaspard.... color plates II, page 574; III, page 575
Feast, Jew-Arab: Palestine.... ill. 752
Federal Communications Commission.... 402
Federal District Commission, Ottawa.... 586
Fellah (farmer), Arab: Palestine.... 751
Felt, Uses of: London.... 787
Fence
  Cactus: Oaxaca, Mexico.... color plate, page 57
  Mesh, Golden retriever hurdles.... ill. 375
  Santiago Atitlán, Guatemala.... color plate, page 527
Fence Viewers: Plymouth, Mass.... 196
Feraud, Mary Virginia.... color plate VIII, page 720
Ferdinand (Spanish king).... 14
Ferrar Glacier, Antarctica.... 516
Ferry, School children on: Bayou Lafourche, La. color plate XIV, page 734
Festivals and ceremonies
  Carnival in San Antonio. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white, Dec.... 813-844

Page
Festivals and ceremonies—(Cont.)
  India... 607-608; ill. 608; color plates IV, page 616; XVI, page 628
  Indian: Virginia.... 352; plates I, page 353; XIV-XV, pages 366-367
"Feverfew" (*Chrysanthemum parthenium*).... 4
Fezzes: Delhi, India.... ill. 606
Ficus religiosa (fig species).... 13
Field Dogs. *See* Bird Dogs
Field Drivers: Plymouth, Mass.... 195
Fiery Furnace, Devil's Garden, Arches National Monument, Utah.... 176; color plate XI, page 187
Fiesta de San Jacinto, San Antonio, Tex... 813, 817; color plates II, page 818; III, page 819; VI-VIII, pages 822-824; XVI, page 840
Fifth Avenue, N. Y.... 12, 17; ill. 9
"57 varieties," Heinz: London.... 782
Fiji Islands, Pacific.... 131, 134
Finger Lakes, N. Y.... 92
Finland.... 107
  Scenes of Postwar Finland. By La Verne Bradley. 30 ills., 1 half-page map, Aug.... 233-264
    Admiration for America.... 233
    Beauty of.... 239, 241
    Climate... 233, 239, 243, 244, 245, 246, 247, 248, 251
    Government.... 237, 248
    Population.... 237
    Poverty.. 236, 238, 240, 241, 244, 245, 249, 258, 259
    Sickness.... 240, 241
"Finlandia" (Sibelius).... 239
Finnish Army.... 236, 237, 240, 245
Finnish Civic Guard.... 242, 248, 251, 260
Finnish Red Cross... 234, 238, 241, 243, 244, 247, 248, 261, 264
Fins, Stone: Devil's Garden, Arches National Monument, Utah.... 176; color plate XI, page 187
Fire
  Forest, Fighter extinguishes: Louisiana.... color plate XI, page 731
  Parliament, Ottawa.... 572, 581, 582
Fire fighter, State: Louisiana.... color plate XI, page 731
Firearms: Remington plant, N. Y.... 80; ill. 91
Firecrackers: Santo Tomás Chichicastenango, Guatemala.... color plate, page 553
Firewood, Costermonger sells: West End, London.. ill. 776
Firozabad, India.... 630
First Lady (play).... 207
First Street. *See* Leyden Street
Fish
  Four-eyed: El Salvador.... 532
  Frozen, Captive penguins eat.... 521
  London.... 784, 785
  Virginia: Indians broil.... 352; plate X, page 362
Fish and fishing
  Cape Hatteras, N. C.... 349
  Finland... 245, 251, 252, 253, 258; ill. 253, 254, 255, 256, 257
  Northwest Angle, Minn.... 266, 267, 272, 279
Fisher Towers, Utah.... 173, 176
Fisherman: Lake Atitlán, Guatemala.... 534; color plate, page 539
Fishermen
  Arab: Palestine.... 740
  Finland.... 245, 251, 252, 253, 258; ill. 253, 254, 255, 256, 257
  Great sand barrier reef, N. C.-Va.... 325, 339
  Mohawk River, N. Y.... color plate X, page 98
Fishers Island, N. Y.: Dog show.... 395, 397
Fishmongers: London.... 770, 772, 784-785, 786
Fitzalans (Earls of Arundel).... 112
Fitzsimmons, Roy G.... 515
"Five Islands" (region), La.... 728
"five K's," Sikhs wear.... ill. 608
Flag
  Alamo: San Antonio, Tex.... color plate II, page 818
  Arab Legion of Trans-Jordan.... color plates I, page 753; V, page 757
  Brazil.... color plate IV, page 304
  Canada.... ill. 587
  Indian: Washington, D. C.... ill. 601
  Lone Star: Texas.... 844; color plate I, page 817
  National Geographic Society
    Brazil.... color plate IV, page 304
    On jeep: North Carolina beach.... ill. 327
  U. S.
    Brazil.... color plate IV, page 304
    Little America IV.... color plate I, page 445
    Mohawk Valley, N. Y.... 69
    Mount Suribachi.... 148; ill. 144
  White, signals doctor: Louisiana.... 710
  Yemen.... color plates VI, page 650; VII, page 651
Flag Island, Minn.... 266, 267
Flags
  India.... 629
  International House, New Orleans, La.. color plate IX, page 729
  San Antonio, Tex.... 813
  United Nations, dropped at South Pole.... 463, 466
Flamboyant (*Delonix regia*).... 38; color plate, page 39

Page

- Flats, Plan of: Holborn, London ill. 792
- Fleet of Falon Hill (dog) 395
- Fleet Street, London: Clock ill. 418
- Fletcher, John E 327
  - Exploring America's Great Sand Barrier Reef. 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. Sept. 341-348
  - Exploring Ottawa. 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. Nov 573-596
- Fletcher Islands, Antarctica 501
- Floats
  - New Orleans, La color plate II, page 714
  - San Antonio, Tex color plates VI, page 822; VII, page 823
- Floods
  - India 608
  - London 774, 780
  - San Antonio River, Tex 813
- Flores, Guatemala 548
- Florida 705, 711, 728
  - Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept 351-368
- Florida Island, Solomons 134
- Flounder: London 785
- Flowerpot-and-candle stove: London ill. 782
- Flowers
  - Camellias adorn girls: Louisiana color plate V, page 717
  - Greengrocer sells: London 782; ill. 770
  - Plymouth, Mass ill. 201; color plate VIII, page 216
  - Trans-Jordan color plate XVI, page 768
  - Wild: La Antigua, Guatemala 527
  - The World in Your Garden. By W. H. Camp. Paintings by Else Bostelmann. 10 ills. in black and white, 24 ills. in color. July 1-65

    Contains descriptions and illustrations of the following species: Abelia, African-Violet, Azalea, Bellflower, Bird-of-Paradise Flower, Blackberry-Lily, Blanket-Flower, Bleeding Heart, Blue Lace-Flower, Bottle Brush, California Poppy, Calla, Candytuft, Canna, Cape Marigold, Castor-Oil Plant, Catawba Rhododendron, China Aster, Chrysanthemum, Clarkia, Clematis, Cosmos, Crown Imperial, Crown-of-Thorns, Cup-Flower, Dahlia, Daisy, East Indian Lotus, Eucalyptus, Flamboyant, Flame Azalea, Forsythia, Foxglove, Frangipani, French and African Marigolds, Fringed Hibiscus, Fuchsia, Garden Verbena, Gerbera, Gladiolus, Grape-Hyacinth, Hibiscus, Hollyhock, Impatiens, Japanese Iris, Japanese Wisteria, Lobelia, Lupine, Michaelmas Daisies, Morning Glory, Nasturtium, Oleander, Oriental Poppy, Oswego Tea, Pansy, Pelargonium, Peony, Petunia, Poinsettia, Poker-Plant, Pot Marigold, Primrose, Regal Lily, Rose, Scarlet Sage, Snakes-Head, Snapdragon, Snowdrop, Spider Flower, Spring Crocus, Star-of-Bethlehem, Stock, Strawflower, Summer Perennial Phlox, Swan River Daisy, Sweet Scabious, Tiger-Flower, Travelers-Tree, Tulip, Victoria Waterlily, Zinnia.
- Flycatchers: Forbidden Canyon, Utah 163
- "Flying rivers" (whirlpools of snow): Antarctica 495
- "Flying saucer" 496
- Folklore, Old English 21
- Fonda, Douw 92
- Fonda, N. Y 92
- Food
  - Antarctica 442, 508, 520
  - Baby: New York 90, 96
  - Canned: San Juan (river) expedition ill. 159
  - Greece 793, 802, 808, 809, 812; ill. 794
  - Keeping House in London. By Frances James. 24 ills., Dec 769-792
  - Palestine ill. 752
  - Plants first cultivated for 3
  - Yemen 636, 637, 653, 655, 657
- Food shopping: London 772
- Footman
  - India color plate III, page 615
  - Mardi Gras: New Orleans color plate II, page 714
- Forbidden Canyon, Utah 153, 162
- Forefathers' Day: Plymouth, Mass 203
- Forest, Upland: Guatemala 529
- Forests, Commercial: United States, South Central 845
- Forrestal, James 430; ill. 520, 522
- Forsyth, William 58
- Forsythia (*Forsythia*, various species) 45; color plate, page 44
- *Forsythia intermedia* (Forsythia species) 45
- *Forsythia suspensa* (Forsythia species) 45
- *Forsythia viridissima* (Forsythia species) 45
- Fort Andrew, Gurnet Point, Mass 205
- Fort Caroline, Fla 351, 352
- Fort Frey, Mohawk Valley, N. Y 92
- Fort Garry (Winnipeg), Canada 270, 275
- Fort Hill. *See* Burial Hill
- Fort Hunter, N. Y 105

Page

- Fort Johnson, N. Y ill. 93, 103
- Fort Orange, N. Y 105
- Fort Plain, Mohawk Valley, N. Y 89
- Fort Rensselaer Club, Mohawk Valley, N. Y 92
- Fort St. Charles, Magnusons Island, Minn 266, 267, 268
- Fort Sam Houston, San Antonio, Tex 816, 825; color plate IX, page 833
- Fort Stanwix, N. Y 68, 69
- Fort Story, Va 326, 329
- Fort Washington, Pa.: Field trial 396
- Forth, Firth of, Scotland 112
- Fortier, James J. A 705
- Fortress
  - El 'Affule, Palestine 751
  - El Kerak, Trans-Jordan 766
- *Fortune* (ship) 208
- Foulois, Lt. Benjamin D 825
- Fountain
  - Antigua, Guatemala 527-528, 529
  - Imam's summer palace: Ar Raudha, Yemen ill. 656
- Fountains
  - National Palace, Guatemala City 559
  - Used in gardens 14
- 4-H Club boys, American: Greece 801
- Fourth Army, San Antonio, Tex 825
- Fowl: London 783
- *Foxes glöfa* (Foxglove, Old English) 21
- Foxglove (*Digitalis purpurea*) 21; color plate, page 20
- Frames, Wooden, Indians use, to carry wares: Guatemala 532; color plate, page 542
- France 105, 107, 267, 710
- Frangipani, Marquis 58
- Frangipani (*Plumeria rubra*) 58; color plate, page 59
- Frankfort, N. Y 80
- Frankfurt, Germany 351
- Franklin, Benjamin 265, 268
- Franklin, La 710
- Frankincense trees, in relief, Reproduction of: Metropolitan Museum of Art, N. Y ill. 12
- Freeport Sulphur Company, La 727, 730
- "The Free State of Bexar" (county nickname) 826
- Freight cars. *See* "Goods wagons"
- French Canadians: Ottawa 588
- French Embassy, Ottawa, Canada: Ballroom color plate VII, page 579
- French Quarter, New Orleans, La 705
- "Frenchman's wig" (Spanish moss): Louisiana ill. 706
- Frescoes: Mission Concepción, San Antonio, Tex 816, 820
- Friedrich, Milton ill. 815
- Friendly Trail, Va 330
- *Fritillaria imperialis* (Crown Imperial) 30
- *Fritillaria meleagris* (Snakes-Head) 23
- Frogs: Louisiana 728
- Fruit, Lack of: London 771; ill. 770
- Fruits, Citrus: United States, South Central 845
- Fryklund, P. O ill. 269
- Fuchs, Leonhard 50
- Fuchsia (*Fuchsia*, various species) 50; color plate, page 51
- *Fuchsia fulgens* (*Fuchsia* species) 50
- *Fuchsia magellanica* (*Fuchsia* species) 50
- Fuego (volcano), Guatemala 527; color plate, page 528
- Fuel
  - Greece 810, 811, 812; ill. 811
  - *See also* Coke
- *Fuji* (flower). *See* Wisteria
- Fulton County, N. Y 94, 96
- Fulton County Courthouse, Johnstown, N. Y 94
- Fultonville, N. Y 92
- Fumitory, Climbing (*Adlumia fungosa*) 47
- Fumitory Family (flowers) 47
- Funafuti (island), Ellice Islands 141
- Fur farming. *See* Mink
- Fur production: Louisiana 846
- Furnishings, Household: Yemen 636, 637, 650, 660, 666; ill. 654
- Furniture, Scarcity of: London 787

G

- Gage, Gen. Thomas 217
- Gahert, Sheik Ali 634, 636, 653, 657, 659, 671, 672
- Gaillard, M 60
- *Gaillardia pulchella* (Blanket-Flower) 60
- *Galanthus nivalis* (Snowdrop) 23
- Gale, Lighthouse Keeper 336
- Galilee, Holy Land 750
- Galilee, Sea of 751, 752
- Galileo (Italian astronomer) 423
- Gallery: Senate Chamber, Ottawa, Canada color plates IV-V, pages 576-577
- Galley: Little America IV, Antarctica ill. 462
- Galloway, Nate 164
- Gandhi, Mahatma 606, 607, 608, 610
- Ganges-Brahmaputra Delta, India 608
- Ganges Valley, India 597
- Gangplank: *Merrick* (cargo ship) ill. 482
- Gansevoort, Col. Peter 69
- García, Tranquilino (Manatee hunter) 552, 558

Page

- Garden, Alexander.... 17
- Garden Club, Plymouth, Mass.... 216
- Garden of Eden....6, 12, 13
- *Gardenia* (flower species).... 17
- Gardens
  - The World in Your Garden. By W. H. Camp. Paintings by Else Bostelmann. 10 ills. in black and white, 24 ills. in color, July....1-65
    - African....color plates, pages 33, 35, 37
    - Anglo-Chinese.... 14
    - Australian....color plate, page 48
    - Botanical....9, 17
    - Buddhist.... 13
    - Chinese....13, 14, 43, 45; color plates, pages 42, 44
    - Colonial American.... 14
    - Dutch.... 14
    - Egyptian....7, 8, 12, 14
    - English.... 14
    - French.... 14
    - Greek.... 15
    - Hanging.... 7-8
    - Indian....12, 13
    - Informal.... 14
    - Japanese....color plate, page 46
    - Meadow, Alpine....color plate, page 22
    - Mediterranean....color plates, pages 24, 27
    - Mexico....14, 15; color plates, pages 55, 57, 59
    - Moslem....14, 15
    - Persian....8, 14, 15, 23; color plate, page 31
    - Renaissance....14-15
    - Rock.... 15
    - Roman....8, 13, 14, 15
    - South America....color plate, page 51
    - Spanish.... 14
  - *See also* Victory gardens
- Gardens, Rock.... 15
  - West Bridgewater, Mass....color plate V, page 213
- Gardner, Dr. Irvine C....310; color plate VII, page 307
- Garments: Juvenile Manufacturing Company, San Antonio, Tex....color plate XV, page 839
- Gartlein, Carl W.
  - Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov....673-704
    - Children....ill. 682
    - Director, in study of aurora....673; ill. 682, 703
- Gartlein, Mrs. Carl W....ill. 703
- Gases in upper atmosphere.... 699
- Gate: San'a wall: Yemen....color plate VIII, page 652
- Gatekeeper: St. Saba (monastery), Palestine....ill. 750
- Gath, Holy Land.... 739
- Gatineau Hills, Quebec.... 588
- Gauges, Weather: New York City....ill. 424
- Gautama, Siddhartha.... 13
- Gaza, Palestine....739, 740, 741
- Geiger counters, used to record invisible rays: Brazil 295, 299, 313
- Gelatin, Manufacture of: Johnstown, N. Y....96, 105
- Gemma (star)....ill. 694
- Gemmeke, Vivian....ill. 277, 282
- General Chemical Company, La.... 726
- General Electric Company, N. Y....68, 75, 76, 103, 105, 106, 107
- General Electric Research Laboratory, Schenectady, N. Y....97, 108
- General Society of Mayflower Descendants.... 202
- Gennesaret, Palestine.... 752
- Gentleman Usher of the Black Rod, Ottawa, Canada 565
- Geology
  - Antarctic....507, 508, 509
  - Desert River (San Juan) Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug....149-172
  - Utah's Arches of Stone. By Jack Breed. With 15 ills. in color from natural-color photographs by the author. 1 third-page map, Aug....173-192
- Geomagnetic axis.... 684
- Geomagnetic pole
  - North, Location of....676, 684
  - South, Location of.... 684
- Geomagnetic poles, Definition of.... 684
- George III (English king).... 32
- George V (English king).... 597
- George VI (English king)....111, 577, 583, 613
- George, Lake, N. Y.... 94
- George Cross (award).... 617
- Georgetown College Observatory, Wash., D. C. 296, 309, 318
- Georgia: State flower.... 6
- "Geranium." *See* Pelargoniums
- *Geranium maculatam*.... 36
- *Geranium sanguineum*.... 36
- Gerasa (Jerash), Trans-Jordan.... 745
- Gerbera (*Gerbera Jamesonii*)....34; color plate, page 35
- Gerizim, Mount, Holy Land.... 750
- German Army....236, 237, 240, 249

Page

- Germans: Guatemala.... 547
- Germany.... 737
  - Aurora over mountains....ill. 675
- Geronimo: Imprisonment at Fort Sam Houston..816, 833
- Gesneria Family.... 30
- Gethsemane, Garden of, Jerusalem, Palestine.... 748
- "Geyser" (water heater): London....ill. 789
- *Ghat:* Delhi, India.... 601
- Giant's Causeway, Ireland.... 478
- Gibbons, Jimmy.... 274
- Gibraltar (British enclave), Spain.... 265
- Gibson, La.... 736
- Gilbert Grosvenor Range, Antarctica.... 461
- Gilliflower (*Matthiola incana*).... 21
- Girl
  - India....color plate X, page 622
  - Mexican-American: San Antonio, Tex....color plate XVI, page 840
  - Navajo (Indian)....color plate I, page 165
  - Ulithi (island)....ill. 145
- Girls
  - Burpee's Floradale Farms....ill. 15
  - India....604, 605
  - Sailing: Plymouth, Mass....color plate I, page 209
  - Santiago Atitlán, Guatemala....color plate, page 542
- Glaciers
  - Antarctica....460, 483, 484, 485, 486, 504, 506; duotone plates, pages 469, 470, 471, 472, 473
  - Discovery of: Antarctica....458, 468, 479, 485
- Gladiolus (*Gladiolus*, various species)....36, 54; color plate, page 37
- Glamis, Scotland.... 111
- Glamis Castle, Scotland....111; etching, page 113
- Glasses
  - Rose-colored, worn by cannibalistic chickens..841; ill. 843
  - Snow, worn by Navy photographer....ill. 498
- Glen Canyon, Utah....153, 155; ill. 150, 158
- Glendower, Owen.... 112
- Glove industry: Gloversville, N. Y....96; ill. 79
- Gloversville, N. Y....93, 95, 96, 100
- Gloves
  - Chamois: London.... 787
  - Colored: Gloversville, N. Y....color plate XII, page 100
  - Rationed: London.... 772
- Glubb Pasha (Brig. John Bagot Glubb)....color plate II, page 754
- Glueck, Dr. Nelson.... 739
  - An Archeologist Looks at Palestine. By Nelson Glueck. 11 ills. in black and white, 18 ills. in color, 1 page map, Dec....739-768
- Goats
  - Angora: San Antonio, Tex.... 843
  - Mexican: San Antonio, Tex.... 843
  - Navajo: Monament Valley, Utah....color plates, I, page 165; II, page 166
  - San Antonio, Tex....842, 843
  - Yemen....color plate II, page 646
- Gobelin tapestry: French Embassy, Ottawa....color plate VII, page 579
- God World (Nim Ajau)....538, 562, 564
- Godínez (lookout point), Guatemala....532, 534
- Goering, Hermann: Surrender.... 844
- Gog (wooden clock-figure): London....ill. 418
- Gold, Indians collect....352; plate VI, page 358
- Golden Age.... 15
- "Golden Bells." *See* Forsythia
- Golden Meadow, La.... 733
- Goldwater, Barry.... 164
- Goliath of Gath (Philistine giant).... 739
- Good, Rear Adm. Roscoe F.... 430
- "Goods wagons": London.... 783
- Goopar (Zapotecan Indian).... 56
- Goosenecks (canyon), Utah....150, 173; color plate III, page 167
- Gopal, Ram (Indian dancer)....ill. 612
  - With partner....color plate XI, page 623
- Gordon, Duke of.... 380
- *Gospel of St. Mark*.... 89
- Gothic architecture: Parliament, Ottawa, Canada 566, 572, 582; color plates VIII, page 580; XII-XIII, pages 592-593
- Goulding, Harry....173, 174
- Goulette Homestead, Minn.... 274
- Goupil, René.... 105
- Government, Town: Plymouth, Mass....195, 196
- Government (Rockefeller) Archeological Museum, Jerusalem.... 748
- "Government girl," Man who started profession of... 89
- Government House, New Delhi....600, 611, 612; color plates I, page 613; II, page 614
- Government of India....597, 599
- Government Rapids, San Juan (river), Utah....151; color plate IV, page 168
- Government workers
  - New Delhi, India....600; color plate VII, page 619
  - Ottawa, Canada.... 585
  - Women, First: United States.... 89

Page
Governor-General
  India 597, 614; ill. 598
  Ottawa, Canada 565, 570, 572, 581, 582; color plates IV–V, pages 576–577
    Residence 565, 588
    Wife of 565, 572, 582, 588; color plates IV–V, pages 576–577
Grace (shipping line), La 728, 737
Grace Church, St. Francisville, La 723
Graham, George 422
Grain crops, First 3
Granary, Public: Florida Indians 352; plate VIII, page 360
Grand Canyon of the Colorado 154, 176, 474, 477
Grand Central Palace, N. Y.: Flower show ill. 4
Grand Central Station, N. Y. City: Clock ill. 416
Grand County, Utah 173
Grand Junction, Tenn.: Bird dog meet 374
Grand Pré, Nova Scotia 217
Grand Trunk Road, India 597
Grand View Point, Utah 173, 176
Grande Ecaille, La 727; color plate X, page 730
Grands et Petits Voyages (De Bry) 352
Granth (Sikh Bible) 629
Grapefruit: London 783
Grapes: London ill. 771
Grassmann, Father Thomas 92
Grauer, Ben 314, 316; ill. 293
Gravity, Measurement of 406
Grazing grounds: United States, South Central 845
Great Britain 265, 631, 656
  World War II 753, 757
  See also London
Great Hall, Winchester Castle, England 111, 112; etching, page 116
Great Lakes, U. S.-Canada 68, 266
The Great Magician (play) 829
Great Mosque, Delhi, India 606, 607, 622; ill. 599; color plates XIV, page 626; XV, page 627
Great Organ Rock, Utah 174, 191; color plates VI, page 182; VIII, page 184
Great Rebellion: England 129
Great sand barrier reef, N. C.-Va.
  Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map. Sept 325–350
Great Smoky Mountains National Park: Rhododendrons ill. 11
Greber, Jacques 579
Greece 67
  Erosion, Trojan Horse of Greece. By F. G. Renner. 19 ills., 1 half-page map. Dec 793–812
    Agriculture 793, 794, 795, 796, 797, 802, 803, 805, 806, 807, 809, 812
    American aid to 793, 794, 795, 796
    Children suffer malnutrition 793, 805
    Elections (1946) 795
    Independence (1830) 802
    Inflation 793, 794, 796, 798, 800
    Tuberculosis rate, Increase in 805
Greek culture: Ascalon, Palestine 739
Greek Government 797
Greek Orthodox Monastery. *See* St. Saba (monastery)
Green, Paul 346
Green River, Utah 173, 176
Greene, Nelson 89
Greengrocers: London 772, 775, 782, 783, 786; ill. 770
Greenwich, England 407, 413, 414
Greenwich meridian 407, 413
Gresham, Oreg air view 109
Griffon, Wire-haired pointing color plate XI, page 387
Groom: Sikh wedding: Delhi, India ill. 611
Grosvenor, Dr. Gilbert: Radiogram from Admiral Byrd 484
Guadalcanal (island), Solomon Islands 134
Guajxaquip Báts (Day of Eight Thread) 562
Guam (island), Marianas Islands 145
Guard, at National Palace: Guatemala City color plate, page 559
Guatemala 727
  Guatemala Revisited. By Luis Marden. With 40 ills. in color from natural-color photographs by the author and Helen S. Williams. Oct 525–564
    Chicle export 552
    Exports 525, 552
    Fines, for cutting down sapote trees 552
    Government 532
Guatemala City, Guatemala 525, 528, 538, 548, 552, 558; color plates, pages 530, 559
Guatemaltecos (people): Guatemala 525
Guava, American 49
Guesthouse, Royal: San'a, Yemen color plate IV, page 648
Guide, New York State (paper) 71
Guides, in Pilgrim garb: Plymouth, Mass color plate VII, page 215
Guild, Capt. Eugene R.
  Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map. Sept 325–350
Guinea (fowl), Boy holds: Louisiana ill. 709
Gulf Oil Company, La 707
Gulf States Utilities Company, La 726
Gull Shoal Station, N. C 340
Gullkrona (island), Finland 243, 258
Gum, Beech-Nut: Canajoharie, N. Y 90; ill. 90
Gum, Blue (*Eucalyptus globulus*) 49
Gumbo. *See* Okra
Gum-Tree. *See* Eucalyptus
Guns: Remington Arms, Ilion, N. Y ill. 91
Gunter Hotel, San Antonio, Tex 825
Gurdwaras (places of worship): Delhi, India 605
Gurnet Point, Mass 205, 206, 208, 209
"Gurnet's nose." *See* Gurnet Point
Guy Park Manor, Johnstown, N. Y 105
Gwyer, Sir Maurice 630
Gypsy wagons: London 789

H

Haarlem (ship) 32
Habana (Havana), Cuba 737, 738
Hadassah-Rothschild Hospital, Mount Scopus, Palestine 748
Haggis (Scottish meat pudding): London 784
Hagia Lavra Monastery: Greece 802, 807
Haifa, Palestine 745
Hairspring, Watch 400, 427; ill. 407, 419
  Perfection of 422
Hais, Yemen 653
Hakluyt, Richard 351
Halbach, Edward ill. 696
Hall, Mess: Eclipse expedition: Brazil color plates IV, page 304; XVI, page 324
Hall of Fame, Parliament, Ottawa, Canada 570
Halos, Ribbon, Women wear: Guatemala color plates, pages 526, 544–545
Ham, Lack of: London 783
Hamburger. *See* Mince meat
Hamidadin. *See* Yahya bin Mohammed bin Hamidadin
Hamilton, Alexander 80
Hamilton, Maxwell ill. 248
Hamilton, N. Y.
  Aurora color plate V, page 689
  Colgate University 698, 703
Hamilton Watch Company 426, 428
Hammam, Yemen 657, 659
Hammurabi (Babylonian king) 12
Hands, Arabs eat with: Palestine ill. 752
Handsome Lake (Indian) 89
Hanging Gardens of Babylon 712
Hanover, Mass 218
Hansen, Col. George W ill. 314
Hanson, Dennis ill. 267
Hanson, Mass ill. 218
"Happy Arabia." *See* Arabia Felix
Hapsburgs (ruling family) 540
Harbor
  Hodeida, Yemen 656; ill. 638
  Natural: Antarctica 500
  Plymouth, Mass ill. 201
  Scituate, Mass color plate II, page 210
Harbors
  Finland 233, 264; ill. 241
  Palestine 743, 745
Hardinge (Viceregal family) 630
Harijans (Outcastes): Delhi, India 606
Hariot, Thomas 352
Harlech Castle, Wales 112; ill. 118
Harlow, William 202
Harlow House, Plymouth, Mass 202
Harmsworth, Mount, Antarctica 468
Harpoons, used to hunt manatees: Guatemala 546, 558
Harrison, John 423
Harrison Creek, U. S.-Canada 273, 274, 275; ill. 270, 272
Hassan, Prince 672
Hat, Girl wearing fiesta: San Antonio color plate XVI, page 840
Hatch, Richard Warren 217
Hatch, Walter 217
Hatherly, Timothy 219
Hatherly Beach, Mass 206, 219
Hats
  Black: Guatemala color plate, page 564
  Unrationed: London ill. 772
Hatsheput, Queen 8, 12
Hatteras, Cape, N. C.
  Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white 1 two-thirds-page map. Sept 325–350
Hatteras (village), N. C 349

Page
Hatteras Inlet, N. C. 325, 331, 349
Hauteclocque, Count Jean de: Daughters of color plate VII, page 579
Hauz Khas, Delhi, India 629
Havana (Habana), Cuba 737, 738
Hawkes, Comdr. William M 453, 455, 456, 459, 468, 474, 476, 477, 478, 479
Hawser
  Moors ship: Antarctica ill. 464, 465, 478
  Plymouth Cordage Company 204
Hayfields: United States, South Central 845
Haymarket Plaza, San Antonio, Tex color plate XIII, page 837
Haynes, B. C 456
"He Places Two Bets Together" (Joseph Brant) 92
Head Hunting: Jivaro Indians 1
Headdress, Dancer wears: India ill. 612
Headdresses: Santiago Atitlán, Guatemala color plates, pages 544–545
Heads, Shaved, of "Polliwogs" aboard ship ill. 438
"Heads Down" (order): Camel patrol: Trans-Jordan color plate XV, page 767
Heald, Maj. Weldon F 149, 163, 164
The Heart of the Antarctic (Shackleton) 479
Heartsease. *See* Pansy
Heat: Measurement of 292
Heath Family (flowers) 65
Heavenly Body (B-17 airplane) 314, 315; color plate V, page 305
Hebrew Union College, Cincinnati, Ohio 739
Hebrew University, Jerusalem, Palestine 748
Heekin, Lt. (jg) Robert P 460, 463
Helen Washington, Mount, Antarctica 489, 515
Helichrysum bracteatum (Strawflower) 49
Helicopter
  Antarctica ill. 459
  Northwind deck: Antarctica ill. 441
  Pontoon-equipped: Antarctica ill. 440
  Surveys: Antarctica 438, 439, 440, 441
Helleborus niger (Christmas-rose) 3
Helmer, Adam 80, 89
Helsinki, Finland 233, 234, 238, 243, 245; ill. 241
Hendersin, Wendell K 503
Henderson, Randall 149, 163; ill. 162
Henderson (destroyer) 491
Henlein, Peter 420, 422
Henry I (English king) 112
Henry II (English king) 111
Henry III (English king) 111
Henry V (English king) 129
Henry VIII (English king) 111
Henry, O 279
Henry, Cape, Va.
  Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map. Sept 325–350
Henry Mountains, Utah 176
Henshaw, Prof. C. L 697, 698, 699
Herbs
  Plymouth, Mass 213, 216
  Wild 19
Hercules (wooden figure): London ill. 418
Herkimer, Johan 89
Herkimer, Gen. Nicholas 69, 89
  Painting of color plate III, page 83
Herkimer, N. Y 69, 89, 94, 108
Hermitage, Lake, La 707
Herod the Great 739, 745, 748, 750, 752
  Sister of 739
Herod Antipas (son of Herod the Great) 752
Herod Philip (son of Herod the Great) 745
Herodians 739, 740
Herodotus (Greek historian) 420, 739
Herring
  Baltic: Finland 246, 251, 252, 253, 254, 256, 258
  London 785
Heyden, Father Francis J 296, 298, 299, 309, 310, 315, 316; color plate X, page 318
Hibiscus (flower genus) 41, 47; color plate, page 40
  Fringed (*Hibiscus schizopetalus*) 36, 41; color plate, page 37
  Rose-of-China 41; color plate, page 40
  Yellow (*Hibiscus Manihot*) 41; color plate, page 40
Hibiscus esculentus (Hibiscus species) 41
Hibiscus Rosa-sinensis (Rose-of-China) 41
Hidden Passage, Utah 155; ill. 150
Hidden Passage (boat) 149
Higgins, Andrew J 728
Highflyer (steamship, Lykes Co.) 737
Highland (Barrow family home), La 723
Highlands (*Altos*), Guatemala 525, 529
Highway Department, Utah 173
Highways and roads
  Guatemala 529; color plate, page 556
  "Road, Improved:" Cape Hatteras, N. C ill. 350
  U. S. 55, Auriesville, N. Y color plate XVI, page 104

Page
Highways and roads—(Cont.)
  U. S. 90, Louisiana 728
  U. S. 160, Utah 173, 174, 175; color plate XIV, page 190
  U. S.-Canada 275
  U. S. King's Highway 67
  Yemen 632, 634, 636, 644, 655; ill. 641; color plate III, page 647
Himalayas (mountains), India-Tibet 507, 597
Hindi (language): India ill. 630
Hindu Dominion, India 600
Hindus
  Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 ills. in color from natural-color photographs by Volkmar Wentzel. 16 ills. in black and white, 1 two-thirds-page map. Nov. 597–630
Hindustani: India 612
History of Plymouth Plantation (Bradford) 207, 216
Hitler, Adolph 791
"Hitler Monuments": Finland 237; ill. 240
Hoadley, Silas 425
Hodeida, Yemen 634, 637, 640, 644, 655, 656, 657, 669; ill. 638
Holborn, Borough of, London ill. 779, 792
Holborn Borough Council, London 779
Holderness, N. H 221
  Webster home ill. 220
Holi (celebration): Delhi, India 667–608; color plate XVI, page 628
Hollyhock (*Althaea rosea*) 6, 45; color plate, page 44
Holmes, Edward C 195
Holmes, Kendall 202
Holmes House, Plymouth, Mass 202
Home Guard: London 791
"Home in San Antone" (song) 843
Homer, Winslow (artist) 92
Homes, ruined in hurricane: Nags Head, N. C 339; ill. 338
Homewares: Timothy Whites & Taylors, Chelsea, London ill. 788
Honaker Trail, Utah 151
Hondo, Tex 826
Honey, used in hummingbird feedings 222
Honeymoon Special (boat) 149, 150, 154; ill. 156, color plate IV, page 168
Honeysuckle Family (flowers) 42, 43
Honor Guard: Naval Gun Factory: Washington, D. C ill. 519
Hooper, Capt. E. O 340
Horlick Mountains, Antarctica 490
Hormigo tree: Guatemala 541
Hormigo wood: Guatemala 540, 541
Horn, Cape, South America 50, 513
Horney, Capt. Harry R 455; ill. 430
Horns of Hattin, Palestine 751, 752
Horse thieves: Texas Republic 826
Horses
  Dray: London 780; ill. 776
  Finland 244, 245, 246, 247, 248, 251, 258; ill. 252, 254, 255
  Judges': Field trial: New York ill. 372
  Yemen color plate VI, page 650
Horticulture
  The World in Your Garden. By W. H. Camp. Paintings by Else Bostelmann. 10 ills. in black and white, 24 ills. in color, July 1–65
Hosack, Dr. David 9, 17
Hospital: Little America IV, Antarctica ill. 511
Hospitality: Finland 23, 246, 247
Hospitals: Delhi, India 630
Hot dogs, Men roast: Brazil ill. 298
Hotel Imperial, New Delhi, India 598
Hough, Dr. J. L 435
Houma, La 710
Hourglass 420
House of Commons, London 566
House of Commons, Ottawa, Canada 565, 566–567, 570; color plates, II, page 574; III, page 575
  Members 567, 570
  Speaker 565, 567, 570; color plates II, page 574; III, page 575
  Staff color plate III, page 575
House of Commons Chamber, Ottawa, Canada 566, 570
House of Lords, British 576, 582
"House of Magic" (GE research lab.): New York 107
Housewife, using soap: London ill. 786
Housewives: London 769, 770; ill. 770, 781, 786
Housing shortage: London 769
Houston, Gen. Sam: Defeat of Santa Anna 814
Houston, Tex 846
Houston Street, San Antonio, Tex 813
Howard, Dr. Arthur D 507
Howard, Edward 426
Howards (Dukes of Norfolk) 112
Howe, Dr. H. Herbert 509; ill. 431
Howe, Marcia ill. 826
Howe, Marcile ill. 826
Howland, Jabez 199
Howland, John 193, 194, 199

Page
Hudson River, N. Y........66, 67, 76, 77, 84, 110, 478
Huguenots, French: Florida........351
Huipiles (garments): Guatemala....529; color plates, pages 534, 540
Huizar, Pedro (sculptor)........816
Hulburt, Dr. E. O........299, 310; ill. 294
Hull, Quebec: Factories........585; ill. 568-569
Humayun (Hindustan emperor)........629
Humble Oil Company, La........709
Hummingbirds
  Hummingbirds in Action. By Harold E. Edgerton. With 15 ills. in color from natural-color photographs by the author. 2 ills. in black and white, Aug........221-232
    Baths........224
    Eggs........222
    Evening playtime........224
    Feeding bottles....221, 223; color plates I-VIII, pages 225-232
    Feeding the young........223
    Female hummingbirds......color plate V, page 229
    Food........221, 222
    High-speed photographs of....color plates I-VIII, pages 225-232
    Nest........ill. 222; color plate III, page 227
    Perches......color plates I, page 225; V, page 229
    Preference for special feeding bottles........223, 226
    Pugnacity of males........223, 228
    Range of........231
    Tail........color plates I, page 225; IV, page 228
    Throat plumage....227; color plates IV, page 228; VI, page 230
    Tongue and beak........color plate VI, page 230
    Variation in pitch of the hum........224
    Wings..224, 225; color plates I, page 225; II, page 226
Humphrey, Duke of Gloucester........129
Hunter's Hill, Scotland........111
Hunting
  Born Hunters, the Bird Dogs. By Roland Kilbon. Paintings by Walter A. Weber. 10 ills. in black and white, 19 ills. in color, Sept........369-398
  Northwest Angle, Minn........267, 277, 279
Hunting Party: Antarctica........ill. 431
Hurdle, Dog retrieves dumbbell over........ill. 374
Hurley, Frank
  Arab Land Beyond the Jordan. 18 ills. in color from natural-color photographs by Frank Hurley. Dec........753-768
Hurricanes: Great sand barrier reef, N. C.-Va....325, 339, 340; ill. 338
Hussein, Prince........609
Hutchinson, John........34
Hutchison, Bruce
  Exploring Ottawa. By Bruce Hutchison. With 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. 9 ills. in black and white, Nov........565-596
Huts
  Arab: Palestine........745
  Louisiana........710
  Thatched: Guatemala........541
  Underground: Finland........238, 240; ill. 249, 259
Huygens, Christiaan........423
Hyacinth
  Common (*Hyacinthus orientalis*)..25; color plate, page 24
  Grape (*Muscari*, various species)..25; color plate, page 24
  Roman (*Hyacinthus orientalis albulus*)....25; color plate, page 24
Hyde Park, London........769; ill. 773, 785
Hyderabad, India........605
Hydrogen flares, on eclipsed sun..color plate II, page 302
Hydrogen gas........302, 309, 311, 313, 316
Hydrographic crew, measures a base line: Okinawa..ill. 136
Hydrography
  Adventures with the Survey Navy. By Irving Johnson. 18 ills., 1 half-page map, July.....131-148

I

Ibb, Yemen
  Ancient "Skyscrapers" of the Yemen. 16 illustrations in color from natural-color photographs by Richard H. Sanger. Nov........645-668
  Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov........631-672
Iberis (Candytuft genus)........26
Iberis amara (Candytuft species)........26
Iberis sempervirens (Candytuft species)........26
Iberis umbellata (Candytuft species)........26
Iberville, La........726
Ibn Saud, King........631
Ice
  Barrier: Antarctica........color plate II, page 446
  Bay: Antarctica..color plates II, page 446; VI, page 450
Ice age: Antarctica........507, 508, 520
Ice cakes, Floating: Ross Sea..color plates IV-V, pages 448-449

Page
Ice floes: Antarctica........435, 444
"Ice fogs": Antarctica........511, 512
Ice formations, Antarctic coast..color plate II, page 446
Ice packs: Antarctica....432, 435, 436, 437, 438, 439, 440, 441, 453, 497; ill. 454, 458, 459, 461, 462, 464-465, 480, 518; color plates, VI, page 450; VII, page 451
Ice pressure ridges: Antarctica........441
"Ice sky": Antarctica....color plates IV-V, pages 448-449
"Ice volcanoes" (ice formation): Antarctica........504
Icebergs: Antarctica....434, 440, 444, 513; ill. 456-457, 516; color plate II, page 446
Iceboxes, Lack of: London........777
Icebreaker
  Antarctica........color plate VII, page 451
  Filming progress of........ill. 459
Icebreakers (ships)....432, 435, 437, 439; ill. 457, 458, 459, 480, 518
Icecap, Polar
  Antarctica........458
  Mineral composition........509
Ice-cream cone, Child with: Tel Aviv, Palestine...ill. 751
Icefalls (hanging waterfalls)......477, 483; duotone plates, pages 472, 473
Ida, La........845
"Idol" (Chinese statue): Union College, N. Y...color plate II, page 82
Idols, Stone: Godínez, Guatemala........532
Ikon, Saint's: San Antonio Palopó, Guatemala color plate, page 538
Iles Wallis. *See* Wallis Islands
Ilion, N. Y........80, 89; ill. 91
Ilion Gorge, N. Y........80
Illinois........265
Illuminometer (instrument to record light-energy)..ill. 294
Images, Saints': Guatemala........540
Imam. *See* Yahya bin Mohammed bin Hamidadin
Immersion suits, Life saving, tested in Antarctic waters........ill. 515
Impatiens (*Impatiens Holstii*)....32; color plate, page 33
Impatiens Balsamina (Impatiens)........32
Impatiens Sultani (Impatiens)........32
Imperial Delhi Gymkhana Club, New Delhi......600-601
Imperial Packing Company........90
Imports: Louisiana........728, 737
"In Flanders Fields" (McCrae): Quoted........572
Inari lake region, Finland........235
Incense offering: Momostenango, Guatemala....color plate, page 551
Independence (brig)........207
India........286, 722
  Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 ills. in color from natural-color photographs by Volkmar Wentzel. 16 ills. in black and white, 1 two-thirds-page map, Nov..597-630
    Agriculture........608-609
    City plan........597, 599
    Climate........598-599, 608, 609
    Clothing...605; ill. 604, 605; color plates V, page 617; XI, page 623
    Education........630; ill. 605
    Empire, End of........611-612, 629
    Gandhi, Mahatma........606, 607, 608, 610
    Government........597, 600, 611, 612, 629
    Holi (celebration)..607-608; color plate XVI, page 628
    Monuments........629, 630
    Population figures........597, 609
Indian Army........608
Indian Castle Church, Mohawk Valley, N. Y........89
Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept........351-368
Indian Shot (*Canna indica*)........52
Indians
  Drums to Dynamos on the Mohawk. By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page spread), July........67-110
  Guatemala Revisited. By Luis Marden. With 40 ills. in color from natural-color photographs by the author and Helen S. Williams. Oct....525-564
  Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept........351-368
  Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug........265-284
  Ottawa, Canada........581
  Plymouth, Mass........197
  See also Itzás; Quichés; Tzutuhiles
Indigo plant, used for dye: Guatemala........562
Indraprastha (ancient city)........629
Indus Valley, India........597
Industrial Canal, Mississippi River-Lake Pontchartrain........706, 728
Industries
  Louisiana Trades with the World. By Frederick Simpich. With 21 ills. in color from natural-

XUM

Page

Industries—(Cont.)
    color photographs by J. Baylor Roberts and others. 15 ills. in black and white, Dec.....705–738
  Texas.....846
Infantrymen, present colors: Fort Sam Houston, Tex. color plate IX, page 833
Inferno (Dante).....349, 562
Ingersoll brothers (watchmakers).....428
Ingi (plant resembling morning glory).....1
Ingrid Christensen Coast, Antarctica.....500
Inlay, Repairing: Delhi, India.....ill. 5
Inscription
  Lakshminarayan Temple, New Delhi.....606
  Shah Jahan's: Delhi, India.....630
Institute of Applied Arts and Sciences, Utica, N. Y.....80
Institute of Current World Affairs.....597
Instructor, Anatomy: College of Nursing, New Delhi. ill. 605
Instruments, Scientific
  Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept.....285–324
Inter-American Highway.....524
Inter-Asian Relations Conference: New Delhi, India 629; color plates XII–XIII, pages 624–625
International date line.....413, 414
International Flower Show: Grand Central Palace, N. Y.: Floral lamp.....ill. 4
International House, New Orleans, La.....737; color plate IX, page 729
International Meridian Conference.....413
Intracoastal Waterway, Tex.-La.....705, 727, 846
Inula (flower genus).....3
Inula campana (elecampane).....4
Inulin (starch-like substance).....54
Ionosphere
  Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov.....673–704
  Description of.....288, 290, 298, 310, 311, 314, 674
  Radio measurements of the.....695
  Reflecting layers of gases present in.....676
Ionosphere observatory, Baffin Island.....693–694
Iowa.....265, 279
Ipomoea (flower genus).....52
Ipomoea Batatas (Sweet Potato).....52
Ipomoea purpurea (Morning Glory).....52
Ipomoea tricolor (Morning Glory).....52
Iran.....105
Ireland.....105
Iris
  Florentine.....5
  Japanese (*Iris Kaempferi* and *Iris laevigata*).....47; color plate, page 46
  Wild: Mohawk Valley, N. Y.....color plate IV, page 84
Iris Family (flowers).....23, 45, 54
Iris susiana (Iris species).....7
Iron Bottom Sound, Solomon Islands.....134
Iron industry: Massachusetts.....218
Iron Pillar, Delhi, India.....629
Iroquois, Lake, N. Y.....68, 76
Iroquois Confederacy.....67
Irrigation
  Greece.....797, 807, 809, 812
  Yemen.....631, 643, 657; color plate II, page 646
Irrigation projects: Palestine.....741, 750
Irwin (Viceregal family).....630
Isabella (English queen consort).....129
Isabella (Spanish queen).....14
Isaiah (Biblical character).....71
Isaiah Bowman Glacier, Antarctica.....484
Isdud. *See* Ashdod
Islam
  India.....609, 629
  Palestine.....752
Ismail (Yemen servant).....637, 643, 671
Isobutylene (material for making synthetic rubber).....718
Israel.....739, 740, 745
Italy.....67, 721, 737, 807, 810
Itasca, Lake, Minn.....265
Item (newspaper): Louisiana.....728
Ithaca, N. Y.: Aurora research.....695–696, 698, 700, 702; ill. 703; color plate IV, page 688
Itzás (Indians): Guatemala.....548
Iverson, Lt. (jg) Halvor.....ill. 494
Ives, Joseph.....425
Ivory, Carved: Delhi, India.....color plate X, page 622
Iwo Jima (island), Volcano Islands.....134, 147, 148; ill. 144
Izabal, Lake, Guatemala.....552, 558; color plate, page 546

J

Jabez Corner, Plymouth, Mass.....207
Jackass, shipped in plane: Louisiana.....728; ill. 711
Jackets, Wool: Guatemala.....color plate, page 564

Page

Jack-in-the-Pulpit.....32
Jackson, Andrew.....711, 846
  Man portrays: Schenectady, N. Y.....color plate XV, page 103
Jackson, Dr. Charles T.....202
Jackson, Lydia.....202
Jackson (Coast Guard cutter).....339
"Jacks-o'-the-clock" (mechanical figures).....420, 421
Jacob's well: Palestine.....ill. 744
Jacques (Shakespearean character).....420
Jadeite, Carved: Quezaltenango, Guatemala.....541
Jaffa, Palestine.....743, 748; ill. 740
"Jaffas" (oranges): Palestine.....743
Jahan Shah (Mogul ruler).....605, 607, 626, 630
Jahanpanah, Delhi, India.....629
Jains: Delhi, India.....605, 606
Jaipur, India.....630
Jaipur Commemorative Column, New Delhi, India ill. 598
Jama Masjid. *See* Great Mosque
Jamaica (island), West Indies.....523, 728, 737
  Population figures.....523
Jambolan-Plum (East Indian plant).....49
James I (English king).....111
James II (Scottish king).....112
James III (Scottish king).....112
James IV (Scottish king).....112
James V (Scottish king).....112
James VI (Scottish king).....111
James, Frances.....ill. 777
  Keeping House in London. By Frances James. 24 ills., Dec.....769–792
Jamestown, Va.....328, 337, 344; color plate IV, page 344
Jan Mabie House, Rotterdam Junction, N. Y.....105
Jantar Mantar, Delhi, India.....630
Jar, Molding a clay: Plymouth, Mass.....color plate III, page 211
Jarboe, J. H.....843
Jasmine, Asiatic. *See* Frangipani
JATO bottles (jet-assisted take-off).....434, 444, 453, 456, 459, 488
Jay, John.....219, 265
Jeanerette, La.....841
Jeep
  American: Yemen.....633, 636, 644, 649, 659, 669; color plate XVI, page 668
  Radio-equipped: Louisiana.....color plate XI, page 731
Jefferson, Joe (American actor).....728
Jefferson, Thomas.....17, 60, 203
Jefferson Island, La.....728
Jefferson Island Salt Company, La.....color plate VIII, page 720
Jennie, Ark.....845
Jensens' collection of clocks.....ill. 427
Jerash. *See* Gerasa
Jeremiah (prophet).....748
Jericho, Palestine.....750
Jerome, Chauncey.....425, 426
Jerry (airedale).....350
Jersey City, N. J.: Clock.....425; ill. 410
Jerusalem, Palestine.....744, 745, 748; ill. 747
Jesuits (Catholic priests).....105
Jewelry, Dancer wears: India.....ill. 612
Jewels, use of, in watches.....415, 422, 427, 428
Jews
  An Archeologist Looks at Palestine. By Nelson Glueck. 11 ills. in black and white, 18 ills. in color, 1 page map, Dec.....739–768
  Yemen.....660; ill. 654
Jingles: London.....780
Jinnah, Mahomed Ali.....597, 611, 612
Jivaro Indians: South America.....1
Jogues, Father Isaac.....104, 105
Johanssen, Mr.....245
Johanssen family: Finland.....245
John (apostle).....747
Johnson, Col. Guy.....105
Johnson, Irving
  Adventures with the Survey Navy. By Irving Johnson. 18 ills., 1 half-page map, July.....131–148
Johnson, Sir John.....95
Johnson, R. R.....517
Johnson, Dr. Samuel: Quoted.....792
Johnson, Stephen S.: Quoted.....163
Johnson, Sir William.....93, 94, 95, 96, 105, 106
  Mural of.....color plate I, page 81
Johnson Hall, Johnstown, N. Y.....93, 96; ill. 93, 106
Johnstown, N. Y.....79, 93, 94, 95, 96, 100, 105, 106
Joint Brazil-United States Military Commission.....286
Jomard Entrance, Louisiade Archipelago.....142
Jones, Sam H.....737
Jones, Stuart E.
  Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept.....351–368
Jones River, Mass.....207, 217
Jonquil.....25
Jonson, Ben.....19
Joppa. *See* Jaffa

Page
Jordan (river), Palestine-Trans-Jordan 741, 743, 745, 768
Jordan Valley 739, 743, 748, 750
Jornada del Muerto (Journey of the Dead Man), N. Mex 845
Joseph Bulova School of Watchmaking: Long Island, N. Y ill. 417
Josephus (Jewish nobleman) 752
Joshua (Biblical character) 750
Journal (Escalante's): Quoted 164
Joyce, F. L. (Shorty) 280, 282, 283, 284; ill. 283
Joyce, Mrs 283
Judah, Wilderness of, Holy Land 748, 749
  St. Saba (monastery) 749; ill. 750
Judaism: Palestine 748, 752
Judea, Holy Land 741
Judges, Field trial: Bourbon, Mo ill. 373
"The Jug Handles." *See* Double Arch
Jumna River, India 597, 599, 629, 630; ill. 603
Jungle
  Petén, Guatemala color plate, page 547
  South America: Flowers color plate, page 53
Jungle Gardens, Avery Island, La 710
Junior Dress Creators of New York 82
Junior Red Cross 241
Jupiter Rex 289
Jura Mountains, Switzerland 507
Jurassic period 163
Juvenile Manufacturing Company, San Antonio, Tex. color plate xv, page 839

K

K rations: Greece 802
Kachh (knee-length drawers), Sikhs wear ill. 608
Kadoorie (Shanghai Jew) 751
Kadoorie Agricultural School for Jews, Palestine 751
Kaffiyeh (headgear), Arabs wear: Palestine ill. 752; color plate iii, page 755
Kainan Bay, Antarctica 509
Kalávryta, Greece 797, 800, 802, 807; ill. 801
Kalm, Peter 16
Kalmia (mountain laurel) 16
Kalpak (headgear), Jew wears: Palestine ill. 752
Kamikaze submarine 147; ill. 138
Kane, Elisha Kent 429
Kane Creek, Utah 164
Kangha (comb), Sikhs wear: Delhi, India ill. 608
Kansas 273, 712
Kansas City, Mo 728, 737
Kapok (Latin American product) 524
Kara (iron bracelet), Sikhs wear ill. 608
Karachi, Pakistan 597, 600
Kat (leaves): Yemen 636, 670, 671
Kaul, Col. B. N ill. 601
Kauóphullon ("carinate-leaf") 21
Kearns, Lt. (jg) William H 502, 503
Keeper of Museums of Botany, Royal Botanic Gardens, England 34
Keeping House in London. By Frances James. 24 ills., Dec 769-792
Kelly Field, San Antonio, Tex 825
Kemi, Finland 233, 235
Kemi River, Finland 235
Kenilworth (Scott) 129
Kenilworth Castle, England 112, 129; etching, page 123
Kennan, George 673
Kennedy, Comdr. George F 134
Kenora, Canada 267, 274, 279, 280, 284
Kent (county), England 129
"Kentucky Derby of the Marshes" (annual pirogue race): Louisiana 706; ill. 722
Kerns, James 316
Kertezi, Greece 800, 803, 804, 807, 809, 810, 812
Kes (unshorn hair), Sikhs' ill. 608, 611
"Kettles of Kilmarlic" (urns) 338
Kew Gardens, London 785; ill. 772
Key, Monk uses: St. Saba (monastery), Palestine ill. 750
Khaskhas grass: India 599
Khirbet et Tannûr, Trans-Jordan 739; ill. 746
"Kicker" (outboard motor): Northwest Angle, Minn. 273
Kicksled: Finland ill. 262
Kid: Monument Valley, Utah color plate viii, page 172
Kidron Valley, Jerusalem, Palestine ill. 747
Kiess, Dr. Carl C 309, 316; color plates vii, page 307; xi, page 319
Kikutsuki (destroyer) 138, 139
Kilbon, Roland
  Born Hunters, the Bird Dogs. By Roland Kilbon. Paintings by Walter A. Weber. 10 ills. in black and white, 19 ills. in color, Sept 369-398
Kill Devil Hill, N. C. 325, 336, 337; color plate i, page 341
King, James H ill. 582
King, Prime Minister Mackenzie 586; ill. 566, 567
King, W. A 737
"King" Hendrick (Mohawk war chief) 94
King Philip's War 219
King Ranch, Tex 846
Kingston, Canada 581
Kingston, Mass 193, 207, 217
  Bradford House color plate viii, page 216

Page
Kingston Bay, Mass 208
Kingsway, New Delhi, India 600, 618
Kippers: London 785
Kirkland, Rev. Samuel 80
Kirkpatrick, Mount, Antarctica 468, 483
Kirpan (short sword), Sikhs wear ill. 608
Kisatchie National Forest, La 712
Kitchen facilities: London 791; ill. 783, 789
Kitchens, J. H., Jr 712
Kitty Hawk, N. C 325, 336, 337, 341
Kitty Hawk Lifeguard Station, N. C 337
Kiwasa (Indian idol) 352
Knife, Bowie 815
Knight, Howard 398
Kniphofia foliosa (Poker-Plant species) 34
Kniphofia uvaria (Poker-Plant species) 34
Knolls Atomic Power Laboratory 97, 108
Knox, Charles B 96
Knox, Mrs. Charles B 105
Knox Gelatine Company 105
Kohler Range, Antarctica 501, 503
Kohlrabi (vegetable) 25
Kolb, Ellsworth L 163
Koran (Mohammedan scriptures) 606
Korsus (one-room huts): Finland 240; ill. 249, 259
Korthals, E. K 387
Kosco, Capt. George F 432, 453, 456, 459, 508; ill. 430
Kosmopoulos, Aristos 803
Kotzebue (Russian explorer) 60
Krakow, Samuel 233; ill. 248
Kral, Franklin 296, 298, 310; ill. 288
Kramer, Lt. John 315
Kreitzer, Lt. W. R 499
"Krill" (crustaceans) 513
Krishna, Lord 628
Kublai Khan 13, 43
Kutb Minar, Delhi, India 629
Kuusamo, Finland 240
  Huts 240; ill. 249, 259
Kuyunjik palace, Assyria 7
Kwajalein (island), Marshalls 144
Kurthwood, La 712
Kyle, Edwin J 525, 547

L

La Antigua, Guatemala 525, 534, 562
Labiche, Emmeline (Evangeline) 710
Laboratories: New York 105, 106, 107, 108
Lac la Pluie Ojibways (Indian tribe) 265
Ladinos (people): Guatemala 532
Lafayette, La color plate v, page 717
Lafitte, Jean (pirate) 722, 846
Lafourche, Bayou, La 733; color plate xiv, page 734
Lafourche, Rue, La 733
La Gorce, Dr. John Oliver 484, 509
La Gorce Peak, Antarctica 509
Lagovouni, Greece 803
La Guaira, Venezuela 524
La Hogue, H. M. S 218
Lahore Gate, Red Fort, Delhi, India color plate xiv, page 626
Lake, Antarctic, seaplane on 498; ill. 516
Lake Charles, La 707, 710, 712, 718, 721, 728, 737; ill. 727; color plate vi, page 718
Lake of the Woods, U. S.-Canada
  Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug 265-284
Lakes
  Antarctic 452, 479, 498, 499, 500; color plate viii, page 452
  Plymouth, Mass 212
Lakshminarayan Temple, New Delhi, India 606; color plate ix, page 621
Lalande, Jean de 105
Lal Kila. *See* Red Fort
Lamb chops: London 772
La Merced (church), Antigua, Guatemala color plate, page 549
Lamp
  Floral: International Flower Show: New York ill. 4
  Oil: Angle Inlet, Minn ill. 278
Lamprines, George 797
Lancer: India color plate iii, page 615
Land of the Pilgrims' Pride. By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map, Aug 193-219
"Land of the Sea," Great sand barrier reef: N. C.-Va. 325, 337, 342
Landing craft vessels, Navy: Louisiana ill. 727
Landing gear, Ski-wheel: R4Ds 434; ill. 512
"Landing of the Pilgrims" (painting) ill. 194
Landing strip, Bocaiuva, Brazil 285, 289, 292, 298; ill. 290
Landplanes, Douglas: *Philippine Sea* (aircraft carrier) ill. 433, 434
Landscape Arch, Arches National Monument, Utah 176; color plate vii, page 183

Page
Languages: Jerusalem, Palestine 748
Lantern
  Derivation of word 420
  Stone: Japan color plate, page 46
Lapland (Finnish area) 233, 237, 239, 240, 243, 246, 261, 264
Lapps (people) 236, 237, 238
Laredo, Tex 524
Lariat, Tex 845
Lars Christensen Peak, Antarctica 500
La Sal ("Salt") Mountains, Utah 173, 174, 175, 176
Last Supper 747
Latex: Guatemala 547
Latin America
  The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors. Oct 523-524
Latin-American night: San Antonio, Tex color plate VII, page 823
Laudonnière, René Goulaine de 351
Laundry
  Community: Holborn, London ill. 779
  Delivered by bullock: Delhi, India ill. 607
  London 791
Laurel, Mountain (*Kalmia*) 16
Laurens, Henry 16
Laurier, Sir Wilfrid 585, 586
Laurier House, Ottawa, Canada 588
La Vendée (village), France 267
La Vérendrye, Pierre Gaultier de Varennes de 265, 266, 267, 273
La Villita. *See* "Little Town"
Lawrence of Arabia 754
LCIs (landing craft infantry) 328, 342
Leader, Religious: Santo Tomás Chichicastenango, Guatemala color plate, page 554
"Leap-Year World Holiday" 415
LeBlanc, Lt. (jg) Ralph Paul 502, 503
Lee, John Doyle 164
Lee, Robert E 816
Leeds Castle, England 129; etching, page 127
Leela (Indian dancer) color plate XI, page 623
Lees Ferry, Ariz 150, 152, 153, 164, 172
Leesville, La 705, 712
Legend: St. Saba: Palestine 749
Leghorn, White, wears spectacles ill. 843
Lemmon, Walter S 206, 219
Le Moyne de Morgues, Jacques 351, 352
Le Nôtre, André 14
Lenses: Telephoto: Aerial cameras equipped with ill. 315
Leon-Lindh, Capt. Kurt 245, 246, 247, 248, 259, 263
Lerche, Capt 245, 248
Lerche, Mrs. Brita 245; ill. 246
Lerche Estate, Vikom, Finland 245, 246; ill. 235
Lessing J. Rosenwald Collection (engravings) 352
Leucojum vernum (Snowflake) 23
Leverett Glacier, Antarctica 484
Lewark Hill, N. C 331
Lewis, Meriwether 60
Lewis and Clark expedition 61
Lewisia (flower genus) 60
Lexington, Mass 217
Leyden Street, Plymouth, Mass 193, 194, 195; ill. 200
Liberty Pole, Plymouth, Mass 194
Library of Congress, U. S 580
Library of Parliament, Ottawa, Canada 572, 582; color plate VIII, page 580
Lick Observatory, University of California 309
Lidice, Czechoslovakia 801
Liebler, Rev. Harold Baxter 149, 153, 164
Liége, Belgium 351
Lifeboat, U. S. Coast Guard ill. 333
Lifesaving Service, U. S 340
Light, Measurements of 299
Lighthouse, First U. S.: Cape Henry, Va 329; ill. 326
Lighthouses. *See* Cedar Point light; Minots Ledge Light
Lights, Traffic, made in Shreveport, La color plate IV, page 716
Lilies, Avalanche (*Erythronium Montanum*) 60
Lilium (flower genus) 43
Lilium Catesbaei 16
Lilium superbum (lily species) 43
Lillie, La 845
Lily
  Bermuda: Cypress Gardens, Fla ill. 2
  Blackberry (*Belamcanda chinensis*) 6, 45; color plate, page 44
  Checkered. *See* Snakes-Head
  Creole Easter: Louisiana 728
  Egypt 25
  Humboldt's 43
  Regal (*Lilium regale*) 43; color plate, page 42
  Tiger (*Lilium tigrinum*) 43
Lily Family (flowers) 23, 25, 30, 34; color plate, page 24
Limestone plain, Department of Petén, Guatemala 547
Lincoln, Abraham 89
Lincoln, Mordecai 219
Lindbergh, Charles: Flight to France 432

Page
Lindell, Harry 245, 246, 247, 248, 251; ill. 262
Lindsey, Dr. Alton A 513
Linens, Rationed: London 787
Linnaeus (botanist) 17, 36, 54
Lions, Stone: Antigua, Guatemala color plate, page 550
Lions Club: Louisiana 709
Lion's Cup (golden goblet) 111
Little America, Antarctica 434, 435, 441, 444, 453, 468, 490
  Aurora study (1939-41) ill. 695
  "Dog Town" color plate VII, page 451
  Drifting of the site 441-442
Little America I, Antarctica 442
Little America II, Antarctica 443
  Copy of *National Geographic Magazine* found ill. 484
  Expedition shack (1933-35) ill. 508
Little America III, Antarctica 442, 443
  Barracks ill. 485
Little America IV, Antarctica 443, 453
  American flag color plate I, page 445
  Hospital ill. 511
  Tents ill. 462
Little Falls, Mohawk Valley, N. Y 76, 78, 89; air view 74; ill. 70
  Canal lock 17 color plate XIV, page 102
Little Island Station, Va 349
Little Kinnakeet Station, N. C 340
Little Nose (bluff), Mohawk Valley, N. Y 76
"Little Paris," La 710
"*Little People*" (Munthe) 239
Little Rainbow Bridge, Utah 176
Little Rock, Ark 737
Little Theater movement: Ottawa, Canada 588
"Little Town," San Antonio, Tex 816; color plates III, page 819; VIII, page 824
Little's Boot Shop, San Antonio, Tex color plate XIII, page 837
Liv Glacier, Antarctica 461, 484
Live Stock Exchange Building, San Antonio, Tex ill. 814
Livestock
  Carnival in San Antonio. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white. Dec 813-844
  United States, South Central 845
Livingston, Edward 725
Livingston, Guatemala 552, 558
Lloyd, Freeman 397
Lloyd's of London 208
Lobbies, Members': House of Commons, Ottawa, Canada 570
Lobelia (*Lobelia Erinus*) 34; color plate, page 35
Lobelia cardinalis (American Cardinal-Flower) 34
Local time 411
Lochland, Jake 265
Lock 17, Canal: Little Falls, N. Y color plate XIV, page 102
Locks, Canal
  New York 70, 73, 78
  Panama Canal 523
Loco Hills, N. Mex 845
Locomotive engines: Schenectady, N. Y 105; ill. 107
Lodi Tombs: New Delhi, India 629
Log balancing: Colorado (river), Ariz ill. 152
Logs
  Cypress: Louisiana color plate XV, page 735
  Floating: Canada color plate XIV, page 594
London, England
  Big Ben 778; ill. 425
  Keeping House in London. By Frances James. 24 ills., Dec 769-792
    Exports 782
    Imports 782, 790
London Company 344
London Square, Tel Aviv, Palestine ill. 740
Long, George W.
  Land of the Pilgrims' Pride (Massachusetts). By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map. Aug 193-219
Longfellow, Henry Wadsworth 710
Longmore, Air Chief Marshal Sir Arthur 620
Longmore, Capt. and Mrs. Peter color plate VIII, page 620
Loo (desert wind): India 598
Loom
  Finland ill. 246
  Greece ill. 812
Lopez, Ensign Maxwell Albert 503
Loran (Long-range Navigation) 406; ill. 412
Loran navigational installation 148
Lord of the Burning Place: Guatemala 562
Lost Colony (historic place), Roanoke Island, N. C. 337, 351
The Lost Colony (play) color plates VI, page 346; VII, page 347
Lotta Svärd (National Service Feminine Auxiliary): Finland 251

Page

Lotus
  East Indian (*Nelumbium Nelumbo*) ... 3, 6, 41, 47; color plate, page 40
  Egyptian ... 41
Lotus-Eaters ... 40, 41
Louis XIV (French king) ... 14
Louise (pet duck) ... ill. 267
Louisiana
  Louisiana Trades with the World. By Frederick Simpich. With 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. 15 ills. in black and white. Dec ... 705–738
    Pioneer barter of ... 705
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec ... 845–846
Louisiana Flyers Service ... 707
Louisiana State University. *See* University of Louisiana
Lourie, Dr. Irvin M ... 793
Luanzua (river), Africa ... 34
Luling Foundation (demonstration farm), Texas ... 832, 841
Lumber: Louisiana ... 712, 721
Lumberjacks, French-Canadian: Ottawa River ... 581
Lupine (*Lupinus*, various species) ... 60; color plate, page 61
Luther Burbank High School, San Antonio, Tex ... ill. 830
Lutto (river), Finland-U. S. S. R ... 235
Lutyens, Sir Edwin ... 599
Lykes Bros. Steamship Company, Inc., La ... 728, 737
Lynch, Dominick ... 71

M

Ma'bar, Yemen ... 634, 659, 669
Mabie family ... 105
McArthur, Arthur ... 841, 842
MacArthur, Douglas ... 825
Macbeth (Thane of Glamis) ... 111
McCarthy, Lt. Robert J ... 483
McCarty, Owen ... 503
Maccabees, Book of: Aurora described ... 693
McClintock, Mount, Antarctica ... 469, 477
McConkie, Wayne ... 149, 153, 155
McCoy, Lt. Comdr. J. C. 441, 455, 460, 467, 517; ill. 506
McCrae, Col. John ... 572
Macdonald, Sir John A ... 587
MacDonald, Louis H ... 219
Mace: Ottawa, Canada ... 565; color plates III, page 575; IV–V, pages 576–577
Machine, Wirephoto ... ill. 412
Machinery
  Farm: Greece ... 797, 806
  Industrial: Louisiana ... 737, 738
McHugh, Father Laurence C., S. J ... 296, 309, 315
McIntyre, Capt. Eugene C ... 460, 490
Mackerel
  London ... 785
  Plymouth, Mass ... 206
McLemore, J. M ... 721
MacMillan Arctic Expedition (1925): Admiral Byrd ... 429
McMurdo Sound, Antarctica ... 468, 471, 474, 476, 483, 515, 516
McQueen Locomotive Company, Schenectady, N. Y. 105
Madagascar: Plants ... 38
Madagascar (coffee brand): London ... 790
Maderas de Mi Tierra (Marimba band) ... 540
Madero, Francisco ... 827, 830
Madon, Holy Land ... 752
Madrasis: Delhi, India ... 601
Magnetic Poles, Definition of ... 684
Magnetic storms ... 673–674, 676, 683, 684, 696, 700
Magnetometer, Air-borne ... 432, 508, 509
Magnolia Oil Company, La ... 709
Magnusons Island, Northwest Angle, Minn ... 266, 267, 268
Magog (wooden figure): London ... ill. 418
Magruder, Hamilton ... 816
Mahan, Russell L ... 173, 174, 176
Mahoganies (trees): Guatemala ... 528
Mahogany wood: Guatemala ... 540
Mainspring, Watch
  Invention of ... 420
  Rewound in reverse ... ill. 403
Mainsprings, Watch ... 428; ill. 419
  Sliced from band of elgiloy ... ill. 414
Main Street, Plymouth, Mass ... 193, 203
Maize (Indian corn): Mexico ... 3
Major's Hill Park, Ottawa, Canada ... ill. 568–569; color plates XII–XIII, pages 592–593
Makhadar, Yemen ... 670, 671
Malaria, Spread of: Greece ... 796, 812
Malaria Institute of India ... 630
Mallets, Marimba: Guatemala ... 540
Malone, T. H ... ill. 498
Mamaroneck, N. Y ... 70
Managua, Nicaragua ... 728
Manatee hunters: Guatemala ... 552, 558
Manatees: Lake Izabal, Guatemala ... 552, 558; color plate, page 546

Page

Manhattan (island), N. Y ... 660, 667
Manikin: Hanson, Mass ... ill. 218
Manila, Philippines ... 721
Manitoba (province), Canada ... 265, 266, 268, 272, 273, 274
  Bird dog training camps ... 374
Manitou (spirit) ... 568
Manninen, Risto (Finnish war hero) ... 239; ill. 261
Manomet, Mass ... 208
Mansfield, La ... 712
Mansions
  Ottawa, Canada ... 587, 588
  Plymouth, Mass ... 202
Manta ray. *See* Devil ray
Manteo (Indian) ... color plate VI, page 346
Manuscript
  Arabic: St. Saba (monastery) ... 749
  Guatemala City, Guatemala ... 528
Many, La ... 712
Map
  Airplane crew examines ... ill. 314
  Asia map, Southeast, The Society's ... 524
  Outline, on vehicle: India ... ill. 630
Map supplement articles
  The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors. Oct ... 523–524
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec ... 845–846
Maps
  Antarctica, compared to the United States in area ... 495
  Antarctica, showing areas mapped by the U. S. Navy Expedition's planes (1946–47) ... 495
  Antarctica, showing flight tracks of the U. S. Navy Antarctic Expedition's exploring and mapping planes (1946–47) ... 467
  Antarctica, showing highlights of the photographic flights and other explorations of the U. S. Navy Antarctic Expedition (1946–47) ... 436–437
  Countries of the Caribbean, including Mexico, Central America and the West Indies, special supplement in colors, Oct.
  Eclipse (1947), Route of, from off the coast of Chile to East Africa ... 295
  Finland: Turku archipelago ... 237
  Great sand barrier reef, N.C.-Va ... 329
  Greece: Peloponnesus, showing Vouraikos watershed, with location map ... 797
  India, showing different religious areas ... 600
  Mohawk Valley, N. Y ... 76–77
  Northern Hemisphere, showing zones in which auroras are seen and frequency of occurrence ... 676
  Northwest Angle, Minn., showing U. S.-Canadian boundary ... 268
  Pacific Islands, showing United States Trust Territory and areas charted by U. S. S. *Sumner* ... 135
  Palestine, showing proposed division into Arab and Jewish states ... 742
  Plymouth area, Mass., with inset showing old Plymouth Colony ... 196
  South Central United States, special supplement in colors, Dec.
  Utah, showing route of San Juan river ... 153
  Utah, Southeastern, showing Arches National Monument ... 175
  Yemen ... 634
March of the Men of Harlech (Welsh national anthem) 112
Marden, Luis
  Guatemala Revisited. By Luis Marden. With 40 ills. in color from natural-color photographs by the author and Helen S. Williams. Oct ... 525–564
Mardi Gras (celebration): New Orleans, La ... 705, 727, 728; color plates II, page 714; III, page 715
Margaret Rose (English princess) ... 111
Margarine: London ... 783
Marguerite Bay, Antarctica ... 435
María (Guatemalan vendor) ... color plate, page 563
Maria Theresa dollars (money): Arabia ... 633
Marib (ancient city) ... 631, 656
Marigolds
  African (*Tagetes erecta*) ... 58; color plate, page 59
  Cape (*Dimorphotheca aurantiaca*) ... 34; color plate, page 35
  French (*Tagetes patula*) ... 58; color plate, page 59
  Pot (*Calendula officinalis*) ... 19, 58; color plate, page 18
  Wild ... color plate, page 59
Marimba keys: Guatemala ... 540, 541
Marimbas: Guatemala ... 540
Marine Studios (oceanarium), Marineland, Fla ... ill. 139
Marines, U. S.
  Pacific Islands ... 131, 143, 148
  Test amphibious tractor: Bay of Whales, Antarctica ill. 481
Marion, La ... 712
Mariposas (*Calochortus*) ... 60
Marker: Red Cross and American Friends Service Committee: Arctic Circle, Finland ... ill. 236
Market basket, on pram: Hyde Park, London ... ill. 773

Page
Markets and market places
  Bocaiuva, Brazil ... color plates, XIV, page 322; XV, page 323
  Guatemala ... 532, 541; color plates, pages 529, 535, 562
  Keeping House in London. By Frances James. 24 ills., Dec ... 769–792
  Pushcart market: Athens, Greece ... ill. 798
  Yemen ... 643, 656; ill. 637
  See also Billingsgate; Caledonian Market; Covent Garden; Farringdon market; Megali Agora; Stores
Marmalade pudding: London ... 776
Mars (planet) ... 316
"Marsh buggy" (seagoing auto): Louisiana ... 709; ill. 707
Marshes: Louisiana ... 706, 709; ill. 710, 723
Marshfield, Mass ... 193, 217, 218
Marshfield (Coos Bay), Oreg ... 350
Martha League (homecraft organization): Finland ... 246
Marthavävstol (Martha loom): Finland ... 245; ill. 246
Martial (Latin poet) ... 420
Martin Mariners. *See* PBM's
Mary Montrose (dog) ... 370
Marydale Ranch, La ... 720, 723
Mask, Face, Part of foul weather clothing ... ill. 498
Masks
  Dancers wear: Guatemala ... 540
  Indian: Mohawk Valley, N. Y ... ill. 93
  Oxygen: AAF cameramen wear ... 305; ill. 315
Masonry, Ancient: Ascalon, Palestine ... ill. 746
Massachusetts
  Land of the Pilgrims' Pride. By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map, Aug ... 193–219
Massachusetts Institute of Technology: Laboratory ... 221
Massacre: Mohawk Valley, N. Y ... 67, 96
Massacre Island, Canada ... 266, 267, 268
Massasoit (Indian chief) ... 197, 213
  Statue of: Plymouth, Mass ... ill. 197
Mastodon skeleton: Albany, N. Y ... ill. 110
Mat, Sleeping: Santiago Atitlán, Guatemala ... color plate, page 542
Matthiola annua (Ten-week-stock) ... 21
Matthiola incana (Stock) ... 21
Mattnäs, Finland ... 245
Mattos, Dr. Allyrio Hugueney de ... 299; ill. 297
Maud, Tex ... 845
Mavraganis, George ... 803
Mawson, Sir Douglas ... 495
Maximilian II ... 28
Mayas (Indians): Guatemala ... 547, 548, 552, 562
Mayflower (ship) ... 193, 203, 205, 207, 217
Maynard, Lt. Robert ... 336
Mazie, Okla ... 845
Mead, Lake, Nev ... 174
Meadow
  Alpine ... color plate, page 22
  Bluebonnet: Texas ... color plate XIV, page 838
Meal, Ceremonial: Guatemala ... color plate, page 560
Meat
  Displays: London ... 783–784
  Hangs in butcher shop: Greece ... ill. 800
  London ... 783, 784; ill. 783
  Seal, used for food: Antarctica ... 431
Mecca, Saudi Arabia ... 626
Mechanical Engineering Laboratories, National Research Council, Ottawa ... ill. 586
Mecklenburg-Strelitz (ruling house) ... 32
Media (ancient country) ... 8
Medical Arts Building, San Antonio, Tex ... 814; color plate I, page 817
Medicine: Yemen ... 653
Medicine men, Indian: Virginia ... 352; plate XII, page 364
Medicines, Plants cultivated for ... 3-4
Meditation, Women in: Guatemala ... color plate, page 560
Mediterranean Sea ... 25, 739, 745, 748, 751; ill. 740
Megali Agora (market place), Athens, Greece ... 793, 800
Megapolensis, Johannes ... 105
Megiddo. *See* Tell el Mutasallim
Melaleuca Leucadendra (Cajuput-Tree) ... 49
Melissa, Tex ... 845
Melodeon, Folding: Angle Inlet, Minn ... ill. 277
Memorial, Fountain: Plymouth, Mass ... ill. 198
Memorial Chamber, Parliament, Ottawa, Canada ... 572
Memorial Chapel tower, Colgate University ... 697
Memorial Day service: Plymouth, Mass ... ill. 201
Memorial Hall, Philadelphia, Pa ... 422
Memorial Park, West Bridgewater, Mass ... color plate V, page 213
Memorials. *See* Monuments and memorials
Memphis, Tenn ... 728
Men, Moose, and Mink of Northwest Angle (Minnesota). By William H. Nicholas. 18 ills., 1 half-page map, Aug ... 265–284
Menai Strait, Wales ... 129
Menzil, Yemen ... 670
Mercator projection ... 524
Mercury (planet) ... 316
Mérida, Cordillera de, Venezuela ... 523
Page
Mermaid legend, Sea cow ... 552
Merrick (cargo ship) ... 435, 513; ill. 454, 457, 462, 465, 482; color plate VI, page 450
Mesopotamia ... 751
Mess tent, Little America IV, Antarctica ... ill. 462
Metcalf, Dr. W. G ... 435
Meteor flash over Philadelphia (May 4, 1945) ... 699
Meteorology: Antarctica ... 496, 511, 512
Metropolis (boat) ... 331
Metropolitan Life Insurance Company, Ottawa, Canada ... color plate XVI, page 596
Metropolitan Museum of Art, N. Y.: Reproduction, Egyptian relief ... ill. 12
Mews: London ... ill. 789
Mexican-Americans
  Carnival in San Antonio. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white, Dec ... 813–844
Mexican Hat, Utah ... 149, 153, 154, 172, 173; ill. 154, 159
Mexican Quarter, San Antonio, Tex ... 830
  Food stands ... 831, 832
  Transportation ... 830, 831
Mexican Village (Niggli) ... 816
Mexicans: San Antonio, Tex ... 827
Mexico ... 107, 711, 727
  Conquest of ... 528
  Population figures ... 523
Mexico, Gulf of (region)
  Louisiana Trades with the World. By Frederick Simpich. With 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. 15 ills. in black and white, Dec ... 705–738
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec ... 845–846
Mexico City ... 524
Michaux, André ... 6, 17
Michelsson, Mrs. Sirkka ... ill. 234
Michigan ... 711
Michoacán, State of, Mexico ... 523
Micronesians: Ulithi (island) ... ill. 134
Microphones, Children use: Central New York School for the Deaf ... ill. 71
Middle Ages ... 751
Middle Street, Plymouth, Mass ... 193
Midgett, Arthur ... 340
Midgett, Clarence ... 340
Midgett, John Allen ... 340
Midgett, Leroy ... 340
Midgett, Rasmus S ... 340
Midgett, Zion ... 340
Mignonette: Egypt ... 25
Milam Square, San Antonio, Tex ... 831
Military bases, U. S.: Caribbean regions ... 523
Military Plaza, San Antonio, Tex ... 826
Milk, Rationed: London ... 772, 789
Milk bar: Tel Aviv, Palestine ... ill. 751
"Milk bars": London ... 789
Milky Way (star formation) ... 296, 298, 299
Mill: Utica, N. Y ... color plate XII, page 100
Milla, José ... 525
Miller, Dr. Julian C ... 721, 722
Mills (factories)
  Finland ... 233
  Plymouth, Mass ... 193
  Pulp: Canada ... 594
Milne Bay, New Guinea ... 131
Milwaukee, Wis.: Astronomers, Amateur ... ill. 696
Minarets (towers): Yemen ... 644, 659; ill. 639
Minas Gerais (state), Brazil ... 285
  See also Bocaiuva
Mince meat, Lack of: London ... 784
Mincey, M/Sgt. A. V ... 460
Mineral production: Latin America ... 524
Mines
  Finland ... 235
  Salt: Louisiana ... 728
Minister of Foreign Affairs: Yemen ... 659
Ministry of Food, London ... 773
Mink
  Men, Moose, and Mink of Northwest Angle (Minnesota). By William H. Nicholas. 18 ills., 1 half-page map, Aug ... 265–284
Minots Ledge Light, Mass ... 218; ill. 205
Minneapolis, Minn ... 282, 721
Minnesota
  Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug ... 265–284
Minnesota Department of Conservation ... 277, 279, 281
Mint Family (flowers) ... 62
Mirages: Antarctica ... 513, 515
Mirlo (tanker) ... 340
Mirror, Convex, used in photographing aurora ... 699; ill. 682
Mission San Antonio de Valero, Tex ... 813, 814

Page

Missions
  Carnival in San Antonic. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white, Dec ... 813–844
Mississippi (state) ... 728, 737, 801
Mississippi Basin ... 727
Mississippi Delta ... 705
Mississippi River, U. S.
  Louisiana Trades with the World. By Frederick Simpich. With 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. 15 ills. in black and white, Dec ... 705–738
Mississippi Shipping Company, Inc ... 728
Missouri, Territory of ... 846
Missouri River, U. S ... 705
"Missouri Waltz" ... 567
Mitla, Mexico ... 56
Moab (ancient kingdom) ... 748
Moab, Utah ... 149, 173, 174, 176, 185, 190
Moab Canyon, Utah ... 173, 174
Moab Valley, Utah ... 173
Moccasin (submarine) ... 336
Mocha, Yemen ... 631, 638, 644, 653
Mocha Mysore (coffee brand): London ... 790
Mohammed (prophet) ... 30, 606, 626, 636, 648
Mohammed (guide): Yemen ... 644, 655, 659, 660
Mohawk (town), N. Y ... 80, 89
Mohawk Hill, N. Y ... 66, 68, 84
Mohawk River, N. Y.
  Drums to Dynamos on the Mohawk. By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page spread), July ... 67–110
Mohawk Thruway (highway), N. Y ... 77
Mohawk Valley, N. Y.
  Drums to Dynamos on the Mohawk. By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page spread), July ... 67–110
Moisant International Airport, La ... 727
Mojarra (fish): Guatemala ... 534
Momostenango, Guatemala ... 558, 562, 563; color plates, pages 535, 551
Monarda didyma (Oswego Tea) ... 62
Monarda fistulosa (Wild Bergamot) ... 62
Monasteries: Palestine ... 749, 750; ill. 750
Mondragón (horse thief) ... 826
Monk, George (English general) ... 112
Monk, lowers candle: Jacob's Well, Palestine ... ill. 744
Monkey Island, Brackenridge Park, San Antonio, Tex. 835
Monkshood ... 3
Monroe, La ... 710
Monster, Stone: Lakshminarayan Temple, New Delhi, India ... color plate IX, page 621
Montes Claros, Brazil ... 299
Montgomery, Field Marshal ... ill. 566
Monticello, Utah ... 173, 176
Montreal, Canada: Riots ... 581
Monture, Mrs. Ethel Brant ... 96; ill. 95
Monty. *See* Palmer, Comdr. Alfred Monroe
Monument, National. *See* Arches National Monument
Monument Bay, Canada ... 279
Monument Valley, Utah ... 155, 164, 173, 176; color plates, II, page 166; VIII, page 172
Monuments and memorials
  Evangeline Monument, La ... 710
  Myles Standish monument, Duxbury, Mass ... 208; ill. 203
  National War Memorial, Ottawa ... 587; ill. 583; color plate VI, page 578
  Pilgrim Monument, Mass ... 208
  Wright brothers' memorial, Kill Devil Hill, N. C. 337; color plate I, page 341
Moon
  Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept ... 285–324
Moon Gate: China ... 45; color plate, page 44
Moore, Thomas (poet) ... 76
Mooring lines: Plymouth Cordage Company ... ill. 204
Moors (people): Spain: Gardens ... 14
Moose: Northwest Angle, Minn ... 272, 277, 279, 281; ill. 271
Morainic deposit: Wade Glacier, Antarctica ... 460, 461
Moreau-Lislet, Louis C ... 725
Morencey, A. J. L ... 517
Morgan City, La ... 710
Morgues, Jacques Le Moyne de. *See* Le Moyne de Morgues, Jacques
Morley, Christopher ... 426
Mormon Trail, Utah ... 173, 174, 175; color plate XIV, page 190

Page

Mormons (people): Utah ... 173, 177, 190
Morning Glory (*Ipomoea*, various species) ... 52; color plate, page 53
Morris, Peter ... 299
Mortars (cannon used to throw lifeline): North Carolina ... color plate VIII, page 348
Mortimer, Edmund ... 112
Mosaics: Metropolitan Life Insurance Company, Ottawa ... color plate XVI, page 596
Moser, Charles K ... 632
Moses (prophet) ... 748
Moslem League, India ... 597, 607, 609, 611
Moslems
  Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 ills. in color from natural-color photographs by Volkmar Wentzel. 16 ills. in black and white, 1 two-thirds-page map, Nov. 597–630
  Palestine ... 739, 745, 750
Mosques
  Great Mosque, Delhi, India ... color plate XV, page 627
  Yemen ... 632, 642, 643, 644, 650, 653, 654, 656
Moss
  Irish: Massachusetts ... 219
  Spanish: Louisiana ... 726, 728; ill. 706
Mother
  Father and mother with baby: Kew Gardens, London ... ill. 772
  Holds child: Tel Aviv, Palestine ... ill. 751
  Mother and baby: Santiago Atitlán, Guatemala color plate, page 542
  Nursing baby: Sololá, Guatemala ... color plate, page 529
  Receives George Cross: New Delhi, India ... color plate V, page 617
Mother Goose (nursery stories) ... 727
Mottoes: Guatemala ... 529
Mount Olympus, U. S. S. (flagship) ... 435, 439, 443, 456, 489, 506, 520, 522; ill. 461, 462, 464–465, 502, 519
Mount Vernon, Va.: Garden ... 17
Mount Wilson Observatory, Calif ... 299
Mountain Fringe (*Adlumia fungosa*) ... 47
Mountain Meadow Massacre, Utah ... 164
Mountain ranges: Antarctica
  Discovery of ... 457, 458, 468, 477, 479, 485, 486, 490, 499, 503, 505, 506
  Elevation of ... 457, 458, 468, 483, 485, 486, 490, 491
Mountains
  Ice-crystal: Antarctica ... 499, 507
  Yemen ... 631, 636, 644, 670; ill. 639, 641, 658; color plates I, page 645; V, page 649; XI, page 663; XV, page 667
Mountainsides, Antarctic, reminiscent of Grand Canyon of the Colorado ... duotone plate, page 474
Mountbatten, Lady ... 612; ill. 598; color plate I, page 613
Mountbatten, Rear Admiral Louis ... 597, 611, 612, 614; ill. 598; color plate I, page 613
Mourning Brides (plant) ... 21
Moyer Fleisher collection of watches ... 420, 422
MP's: Arab Legion: Trans-Jordan ... color plate III, page 755
Mudge, Thomas ... 422
Mudhaffer Mosque, Yemen ... 643
Muleshoe, Tex ... 845
Munson, Helen ... 79
Munson-Williams-Proctor Institute, N. Y ... 68, 79
Munthe, Axel ... 239
Mural: Post Office, Amsterdam, N. Y ... color plate I, page 81
Murray, Cape, Antarctica ... 477
Muscari (Grape-Hyacinth genus) ... 25
Muscari botryoides (Grape-Hyacinth species) ... 25
Musettes: Quezaltenango, Guatemala ... color plate, page 561
Museum
  Palestine ... 748
  Plymouth, Mass ... ill. 194
Music, measured by time ... 406, 407
Music Temple, Utah ... 155, 161
Music Temple (boat) ... 149
Muskeg Bay, U. S ... 265, 266
Muskellunge (fish): Northwest Angle, Minn ... 279
Muskrats
  Louisiana ... 708, 709, 723
  Northwest Angle, Minn ... 272, 273, 277
Mussolini, Benito ... 737
"Must" (unfermented wine) ... 21
Mustard: London ... 776
Mustard Family (flowers) ... 21, 25
Myles Standish monument, Mass ... 208; ill. 203
Myrtle Family (flowers) ... 49
Mystery Canyon, Utah ... 161, 162; color plate VII, page 171

N

Nabataean trade route: Palestine-Trans-Jordan ... 740
Nabataeans: Trans-Jordan ... 761
Nablus (Shechem), Palestine ... 744, 749
Nagas: India ... 605; color plates IV, page 616; V, page 617

Page
Nagasaki, Japan ... 208
Nags Head, N. C ... 327, 338; ill. 338
Nagu islands, Finland ... 245
Naidu, Mrs. Sarojini ... 612
Nanak, Guru (founder of Sikh religion) ... 611
Nancy, Tex ... 845
Nantucket, Mass ... 217
Nantucket Sound, Mass ... 193
Napoleon ... 725
Napoleonic Wars ... 111
Narcissus: Egypt ... 25
Narragansett Bay, R. I ... 193, 197
Narsarssuak, Greenland: Auroras ... ill. 697, 701
Nashja-begay (Piute Indian) ... 163
Nashville, Tenn ... 234
Nasturtium (*Tropaeolum majus*) ... 52; color plate, page 53
Natanya, Palestine ... 752
National Bureau of Standards. *See* U. S. Bureau of Standards
National Championship (dog meet) ... 374, 393
National Council of Geography of Brazil ... 299
National Geographic Magazine ... 16, 199, 221, 397, 523, 524, 525, 558, 777
  Associate editor ... 484
  Editor ... 484
    See also National Geographic Society: President
  Editorial staff member: La Verne Bradley ... ill. 236
  First use of Transverse Mercator projection for mapping long airplane flight ... 524
  Little America, Copy found ... ill. 484
National Geographic Society ... 265, 327
  Ambulance, Photographer uses, in India ... ill. 630
  Cartographic Section ... 523, 524
  Chief cartographer: Inventor of sun compass ... 442
  Color photographs
    Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov ... 645-668
    Arab Land beyond the Jordan. 18 ills. in color from natural-color photographs by Frank Hurley. Dec ... 753-768
    Carnival in San Antonio. 19 ills. in color from natural-color photographs by J. Baylor Roberts. Dec ... 817-840
    Delhi, Capital of a New Dominion. 20 ills. in color from natural-color photographs by Volkmar Wentzel. Nov ... 613-628
    Desert River Through Navajo Land. 11 ills. in color from natural-color photographs by Alfred M. Bailey and Fred G. Brandenburg. Aug 165-172
    Drums to Dynamos on the Mohawk. 19 ills. in color from natural-color photographs by B. Anthony Stewart. July ... 81-104
    Eclipse Hunting in Brazil's Ranchland. 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. Sept ... 301-324
    Exploring America's Great Sand Barrier Reef (North Carolina-Virginia). 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. Sept ... 341-348
    Exploring Ottawa. 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. Nov ... 573-596
    Guatemala Revisited. 40 ills. in color from natural-color photographs by Luis Marden and Helen S. Williams. Oct ... 526-564
    Hummingbirds in Action. 15 ills. in color from natural-color photographs by Harold E. Edgerton. Aug ... 225-232
    Land of the Pilgrims' Pride. 12 ills. in color from natural-color photographs by Robert F. Sisson. Aug ... 209-216
    Louisiana Trades with the World. 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. Dec ... 713-736
    Our Navy Explores Antarctica. 11 ills. in color from natural-color photographs. Oct ... 445-452
    Utah's Arches of Stone. 15 ills. in color from natural-color photographs by Jack Breed. Aug ... 177-192
  Duotone insert
    Our Navy Explores Antarctica. 8 ills. in duotone from U. S. Navy official photographs. Oct 469-476
  Expeditions
    Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept ... 285-324
    National Geographic Society-U. S. Army Air Forces Eclipse Expedition (1947) ... 406
    National Geographic Society-U. S. Navy Eclipse Expedition (1937) ... 208
    Yunnan Province Expedition (1923) ... 10
  Engravings
    Indian Life Before the Colonists Came. 15 illustrations from engravings by Theodore de Bry. Sept ... 353-368

Page
National Geographic Society—(Cont.)
  Engravings—(Cont.)
  Etchings
    British Castles, History in Stone. 16 illustrations from etchings by Norman Wilkinson. July 113-129
  Flag
    Brazil (Eclipse expedition) ... color plate IV, page 304
    On jeep: North Carolina beach ... ill. 327
  Founder ... 101
  Funds granted for study of the aurora, Cornell University ... 676, 695
  Map supplement articles
    The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors. Oct ... 523-524
    The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec ... 845-846
  Members, Number of ... 523
  Members with a knowledge of astronomy urged to help in study of auroras ... 700
  Paintings
    Auroras (Unlocking Secrets of the Northern Lights). 8 ills. in color from paintings by William Crowder. Nov ... 685-692
    Dogs (Born Hunters, the Bird Dogs). 19 ills. in color from paintings by Walter A. Weber. Sept ... 377-398
    Flowers (The World in Your Garden). 24 ills. from paintings by Else Bostelmann. July ... 18-65
  President: Antarctic mountain range named for ... 461
  Research
    Auroras: Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov ... 673-704
  Research Committee ... 286, 312
  Staff photographer: Volkmar Wentzel ... 628, 630
National Palace, Guatemala City, Guatemala ... 525; color plates, pages 530, 559
National Park Service ... 173
National Research Council, Ottawa: Laboratory ... ill. 586
National Trust, Great Britain ... 129
National War Memorial, Ottawa ... 587; ill. 583; color plate VI, page 578
National Zoological Park, Wash., D. C ... 520
Natural Bridges National Monument, Utah ... 176
Naturales Quaestiones (Seneca) ... 693
Naturalis Historia (Pliny) ... 420
Nautilus (submarine) ... 146
Navajo Mountain, Utah ... 154
Navajo sandstone: Utah ... 174
Navajos (Indians): Utah ... 160, 162, 163, 164, 170, 173, 176; ill. 155; color plates I, page 165; VIII, page 172
Naval Amphibious Training Base, Ocracoke, N. C ... 349
Naval Gun Factory, Wash., D. C.: *Mount Olympus* docks ... 522; ill. 519
Naval Intelligence ... 134, 146
Naval Observatory, Wash., D. C ... 295, 298
Naval Ordnance Laboratory ... 508
Naval Research Laboratory, Wash., D. C ... 294, 299
Navigation: Louisiana ... 711
Nazareth, Palestine ... 744, 751
Nazimuddin, Khwaja ... 611
NBC (radio station) ... 293, 314, 315, 316
Near East ... 748
Nebraska ... 273
Nebuchadnezzar ... 8, 9, 17, 712
Necklace, Silver: Santo Tomás Chichicastenango, Guatemala ... 553
"Needles," used in seine fishing: Finland ... 251, 252, 253; ill. 254
Needleworker: Juvenile Manufacturing Company, San Antonio ... color plate XV, page 830
Negeb, Palestine ... 741, 743
Nehru, Pandit Jawaharlal ... 616
Nellises family ... 89
Nelliston, N. Y ... 89
Nelumbium Nelumbo (East Indian Lotus) ... 41
Nepal ... 13
Neptune (planet) ... 289
Neptune ceremonies, crossing the equator ... 289; ill. 438
Nerium Oleander (Oleander) ... 26
Nest, Hummingbird ... ill. 222; color plate III, page 226
Netherlands ... 721, 728
Netherlands West Indies ... 737
Nevada ... 79
Nevills, Doris ... 150
Nevills, Norman D ... 149, 153, 155, 161, 163, 164; ill. 150, 162
New Bedford, Mass ... 217, 219
New Braunfels Avenue, San Antonio, Tex ... 816
New Britain, Conn ... 234
New Caledonia (island), Pacific ... 134

Page

New Delhi, India
  Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 ills. in color from natural-color photographs by Volkmar Wentzel. 16 ills. in black and white, 1 two-thirds-page map. Nov. 597–630
New England 331
  Land of the Pilgrims' Pride. By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map. Aug. 193–219
New Guinea (island) 722
New Harbor, Antarctica 474, 477
New Hebrides (islands), Pacific 134
New Iberia, La 710, 728
New Inlet, N. C 339
New Jersey 709, 724, 738
New Orleans, La 845, 846
  Louisiana Trades with the World. By Frederick Simpich. With 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. 15 ills. in black and white, Dec 705–738
"New Town," Finland 235, 236
New Year's Day: India 607
New York (city) 108, 272, 711, 738
New York (state) 66, 67, 90, 293, 600, 728
  Auroras seen in 693
  Drums to Dynamos on the Mohawk. By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page spread), July 67–110
New York Botanical Garden 7, 16
New York Harbor 410, 425
New York State Barge Canal 66, 68, 76, 77; air views 72–73, 74; ill. 69, 70, 75, 102
New York State Indian reservations 89
New York State Museum, Albany, N. Y ill. 101
New York *Sun*: Kennel Editor 398
New York Telephone Company 426
New York Times 786
New Zealand 105
Newcastle, Duke of 387
Niagara Falls, N. Y 70, 76, 782
Niagara-on-the-Lake, Canada 581
Nicaragua 711
Nicholas, William H.
  Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug 265–284
Nieremberg, John Eusebius 50
Nierembergia (Cup-Flower genus) 50
Nierembergia frutescens (Cup-Flower species) 50
Nierembergia gracilis (Cup-Flower species) 50
Niger, H.M.S. 205
Nigeria 96
Niggli, Josephina 816
Nightingale, Florence 605
Nile (river), Egypt 8
Nilsen, Tony 339
Nimitz, Fleet Admiral Chester W. 430, 431, 439, 466; ill. 522
  Adm. Byrd's South Pole message to 466
Nimrod (ship) 513
"Nimrod Islands" (phantom land) 513
"Noah's Ark" (airplane) 727; ill. 711
Noakhali district, Eastern Bengal 608
Nonnezoshi (Rainbow Bridge), Utah 163
Norfolk, Duke of 112
Norfolk, Va 326, 330, 336
  Mount Olympus sails 443
North Africa 286, 337
North African campaign: Yemenis served 632
North America 267, 325
North Carolina 325, 327, 330, 331, 341, 345, 349, 723
  Exporing America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map, Sept. 325–350
  Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept. 351–368
North Dakota 266
North Magnetic Pole 509
North Polar Basin 520
North River, Mass 217, 218
North Street, Plymouth, Mass 193
North Western, N. Y 98
North Window, Arches National Monument, Utah color plates III, page 179; XIII, page 189
Northern Hemisphere 289, 299
Northern Lights
  Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 half-page map, Nov 673–704
Northers: Texas 822, 843, 844

Page

Northwest Angle, Minn.
  Men, Moose, and Mink of Northwest Angle. By William H. Nicholas. 18 ills., 1 half-page map, Aug 265–284
Northwest Angle Inlet, Canada-U. S. 273, 274, 275, 282
Northwest Indians: Minnesota 266
Northwind (icebreaker) 432, 435, 437, 439, 520; ill. 441, 457, 458, 480, 518; color plate VII, page 451
Norway 237
  Aurora study 676, 684, 695, 697; ill. 677
  Auroras color plates I, page 685; VI, page 690; VII, page 691; VIII, page 692
Norwood, D. I 723, 724
Norwood, Mrs. D. I 723
Noville Mountains, Antarctica 501
Noyes, John Humphrey 80
Nukufetau (island), Ellice Islands 140
Nukum, Jabal (mountain), Yemen 660; color plates V, page 649; XV, page 667
Nürnberg, Germany 420
"Nürnberg egg" (clock-watch) 422
Nuts, Tung: United States, South Central 845
Nymphaea (flower genus) 41

O

Oak Island, Northwest Angle, Minn 266, 267, 279, 282
"Oases," Ice-free: Antarctica 477, 498, 499, 506; ill. 516; duotone plate, page 475
"Oasis": Queen Mary Coast, Antarctica color plate VIII, page 452
Oates, Capt. Lawrence E. G. ("Titus") 495
Oates Coast, Antarctica 495
Oaxaca, Mexico 7, 56
  Flowers color plate, page 57
Obenchain, Raymond 273
Ocracoke, N. C 325, 349
Ocracoke Inlet, N. C 336
Odd I (Norwegian whaler) 513
"Offal," Unrationed: London 734
Office building: Ottawa, Canada color plate XVI, page 596
Ohio 336
Ohio River, U. S 705, 737
Öhman, Alf 262
Öhman brothers ill. 263
Oil: Louisiana 706, 709, 711, 724, 726, 727, 737, 738
Oil fields, Arabian 737
Oil production: Oklahoma 846
Oil refineries: Louisiana color plates VI, page 718; VII, page 719
Ojibways (Indians) 265
Okanagan (river), British Columbia-U. S 585
Okay, Ark 845
Okay, Okla 845
Okinawa (island), Ryukyu Retto ill. 136
Oklahoma
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec 845–846
Okra (*Hibiscus esculentus*) 41
Okuma Bay, Antarctica 515
Old Burying Ground, Duxbury, Mass 208
"Old Chapel" (information center), Plymouth, Mass 196
Old City, Jerusalem, Palestine 748
"Old Coast Road," Mass 208, 209
Old Colony Club, Plymouth, Mass 203
Old Fort, New Delhi, India 600, 629
Old Fort Schuyler, N. Y 79
"Old Ironsides" (ship) 218
"The Old Maid's Bloomers" (rock formation), Utah 174, 175; color plates IV, page 180; V, page 181
Old Man River (Mississippi River) 726
"The Old Oaken Bucket" (poem) 215, 219
"Old Paint" (citizen of San Antonio, Tex.) 826
Old Shady (camp cook) 161
Old South Church, Boston, Mass 207
Old Stone Fort, Schoharie, N. Y 78
Old Tex (mounted steer) ill. 815
Old Trail Drivers Association of Texas 819
Oleander (*Nerium Oleander*) 26; color plate, page 27
Olives, Mount of, Palestine ill. 747
Olmos Dam, San Antonio River 813
Omaha, Nebr 705
Omar, Mosque of, Jerusalem, Palestine 748
Omar the Tentmaker 30
Omri (Israelite general) 745
One Corn, Day of: Guatemala 564
O'Neal, Lee 340
Oneida, N. Y 80, 101
  Silver-plating industry 80, 101
Oneida, Lake, N. Y 68, 76, 77
Oneida, Ltd. (silver-plating company), Oneida, N. Y. 80, 101
O'Neil, Police Chief: Thibodaux, La color plate V, page 717
Onions
  Louisiana color plate XIII, page 733
  Mohawk Valley, N. Y color plate XI, page 99

Page

- Ontario, Canada 284
  - Exploring Ottawa. By Bruce Hutchison. With 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. 9 ills. in black and white, Nov 565–596
- Ontario, Lake, Canada 67, 76, 266, 581
- Operation Highjump (U. S. Navy Antarctic Expedition, 1946–47)
  - Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy Official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct 429–522
- Oppenheim-Ephratah Central School, N. Y 106
- *Opus Ruralium Commodorum* (Crescenzi) 13
- Orange County, N. Y.: Field trial ill. 372
- Orange groves: Palestine 743
- Orange juice, Distributing of: London ill. 773
- "Orange ships": Palestine 743
- Oranges and orange growing
  - Haymarket Plaza, San Antonio, Tex color plate XIII, page 837
  - London 775
  - Palestine 743
- Orcas (killer whales) 516
- Orchestra, Symphony: Rome, N. Y 71
- Order of the Day: House of Commons, Ottawa 567
- Order of the Garter 611
- Orders of Precedence: New Delhi, India 600
- Oregon Inlet, N. C 325, 331, 333, 335, 338
- Oregon Inlet Station, N. C 339
- Oriental Institute of the University of Chicago 751
- Orinoco (river), Venezuela 523
- Orinoco Delta, Venezuela 727
- Oriskany, N. Y 69, 89, 108
- *Ornamental American Shrubs* (Dersal) 65
- *Ornithogalum* (Star-of-Bethlehem genus) 25
- *Ornithogalum umbellatum* (Star-of-Bethlehem species) 25
- Orris-root 5
- Ortello (Italian race horse) 737
- Oscar (dog) ill. 267
- Oscillators, Quartz-crystal: Bell Telephone Laboratories 426
- Oslo, Norway 676
- Osprey (fish-hawk) 331; ill. 334
- Ossernenon (Mohawk village), N. Y 105
- Oswego Tea (*Monarda didyma*) 62; color plate, page 63
- Otsego Lake, N. Y 92
- Ottawa, Canada 275, 584–585
  - Exploring Ottawa. By Bruce Hutchison. With 14 ills. in color from natural-color photographs by John E. Fletcher and W. Robert Moore. 9 ills. in black and white, Nov 565–596
    - Clothing 565; color plates I, page 573; IX, page 589
    - House of Commons 565, 566–567, 570; color plates II, page 574; III, page 575
    - Mansions 587, 588
    - Model of 585
    - Parliament 581, 585; ill. 568–569, 571, 587
    - Parliament buildings color plates I, page 573; VIII, page 580; IX, page 589; XII–XIII, pages 592–593
    - Parliament Hill 581, 583–584, 585, 586, 588; ill. 571
    - Senate 570, 572; color plates IV–V, pages 576–577
- Ottawa Indians: Canada 581, 593
- Ottawa River, Canada 581; ill. 568–569
- Oulu River, Finland 237
- Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy Official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct 429–522
- Outcaste sweepers: Delhi, India 606
- Outcastes. *See* Harijans
- Outlaw Cave, Ariz 152
- Oven: Finland ill. 235
- Ovens, Underground: Delhi, India ill. 610
- Oxcarts: Brazil 285; color plate XIII, page 321
- Oxford Street, London: Vender ill. 771
- Ox-lip (*Primula elatior*) 19
- Ozarks (highlands), U. S 846

P

- Pacific Islands 273, 286
  - Adventures with the Survey Navy. By Irving Johnson. 18 ills., 1 half-page map, July 131–148
- Pack animals: Mexico ill. 7
- Pack-trains: Brazil 285; ill. 287; color plate XV, page 323
- Packaging food: London 782, 786
- Padre Creek, Utah 164
- "Padre of the San Juan." *See* Liebler, Rev. Harold Baxter
- *Pæonia* (Peony genus) 43
- Pageant, Mardi Gras: New Orleans, La color plate II, page 714
- Pago Pago, Samoa 134
- Paintings: Mohawk Valley, N. Y 92; ill. 68; color plates I, page 81; III, page 83

Page

- Pakenham, Sir Edward (British general) 711
- Pakistan, India 597, 600, 616
  - Flag 629
- Palace
  - Yemen 659, 660, 669; ill. 635, 656
  - *See also* Government House, New Delhi
- Palace of the Captains General, Antigua, Guatemala color plate, page 531
- Palace of Joys, Yemen color plate XIV, page 666
- Palace of Thanks, Yemen color plate XIV, page 666
- Palais de Justice, Paris: Clock 420; ill. 413
- Palatine Bridge, N. Y 92
- Palatine Church, N. Y 89
- Palestine
  - An Archeologist Looks at Palestine. By Nelson Glueck. 11 ills. in black and white, 18 ills. in color, 1 page map, Dec 739–768
    - Agriculture 743, 751
    - Arabs 741, 743, 745, 748, 751; ill. 752
    - Archeology 739, 751; ill. 743, 746, 747, 749
    - Exports 740, 743, 745
    - Monasteries 749, 750; ill. 750
    - Oranges 743
    - Pioneers, Jewish 741
    - Pipe line 745
- Palestine Man 745
- Palestine Potash, Ltd 743
- Palisades (cliffs), N. Y 478
- Palm of Christ. *See* Castor-Oil Plant
- Palm oils 524
- Palm trees: Palestine 749
- Palmer, Comdr. Alfred Monroe, USNR 633, 637, 643, 644, 653, 654–655, 659, 660, 669
- Palmer, Catherine Bell
  - Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer. 36 ills., Sept 399–428
- Palmer, Mildred 529
- Palmer collection (costumes): Guatemala 529
- Palmer Peninsula, Antarctica 490, 504, 512
- Palms: San Antonio, Tex 813
  - Trimming of color plate I, page 817
- *Palo amarillo* (yellow-wood): Guatemala 562
- Pamlico Sound, N. C 335, 338, 339, 349
- Panajachel, Guatemala 534
- Pan American Airways 711, 727
- Pan American-Grace Airways 727
- Pan American Highway 524
- Pan American World Airways: Navigator ill. 412
- Panama 727
  - Boundary 523
- Panama Canal 523, 524
  - *Philippine Sea* (aircraft carrier) ill. 433
- Panayotides, Charles 795, 800
- Pansy (*Viola tricolor*) 4, 19; color plate, page 18
  - European: Skagway, Alaska 1
- Panzós, Guatemala 552
- *Papaver bracteatum* (Poppy species) 30
- *Papaver orientale* (Oriental Poppy) 30
- Papaya plant, Jivaro Indians grow 1
- Paper, Scarcity of: London 786
- Parachute display: London ill. 787
- Parade
  - Carnival: San Antonio, Tex color plate VI, page 822
  - Ceremonial: San'a, Yemen color plates VI, page 650; VII, page 651
- Parakeets, Tame: Brazil 295; color plate XVI, page 324
- Pargas, Finland 251, 264
- Paricutín (volcano), Mexico 523
- Paris, France 106, 233
- Park, Vice Consul James Loder 631
- Park Avenue Canyon, Utah 174
- Parliament
  - London 570, 770
  - New Delhi, India color plate VII, page 619
  - Ottawa, Canada 581, 585; ill. 568–569, 571, 587
- Parliament Buildings, Ottawa, Canada color plates I, page 573; VIII, page 580; IX, page 589; XII–XIII, pages 592–593
- Parliament Hill, Ottawa, Canada 581, 583–584, 585, 586, 588; ill. 571
- Parque Central, Guatemala City, Guatemala color plate, page 530
- Parts, Clock, magnified ill. 422
- Parts, Watch ill. 419
- Paschal lamb, Sacrifice of: Mount Gerizim, Holy Land. 750
- Pass Deep Water Channel, La 721
- Paste, Colored, on faces: *Holi* celebration: Delhi color plate XVI, page 628
- Pathans: Delhi, India 601
- Patio, Spanish Governors' Palace, San Antonio, Tex. color plate VII, page 823
- Patras (Pátrai), Greece 794, 796, 797, 799
- Patrolman: Trans-Jordan color plate XI, page 762
- Paul Revere bell: Plymouth, Mass 196
- Pawley, Hon. William D 314; ill. 296
- Payne, Melvin M 292; ill. 297
- PBM's (Martin Mariners) 495, 498, 502
  - *Pine Island* color plate III, page 447

Page
Pea Family (flowers) ... 47
Pea Island Station, N. C ... 339
Peace Tower, Parliament, Ottawa, Canada ... 567, 572, 581, 582, 583; ill. 571, 584, 587; color plates XII–XIII, pages 592–593
Peach (fruit) ... 6
Peach blossoms ... 47
Peaches: London ... 783
Peacock (ship) ... 491
Peacock Military Academy, San Antonio, Tex.: Cavalryman ... ill. 831
Peacock Throne: Red Fort, Delhi, India ... 630
Peale, Mount, Utah ... 173
Peanuts
  Canajoharie, N. Y ... 90
  United States, South Central ... 845
Pearl Harbor, Hawaii ... 131, 133, 134, 145, 219
Pearl Mosque of Aurangzeb, Delhi, India ... 630
Peary, Robert Edwin ... 429
Peat: Cranberry bogs: Massachusetts ... 201
Pecans
  San Antonio, Tex ... 832
  United States, South Central ... 845
Pechenga (Petsamo port) ... 235
Peerless B'Gay (dog) ... ill. 372
Pelargoniums ... 36; color plate, page 37
  African: Skagway, Alaska ... 1
  Fish (common Geranium) ... 36
Peloponnesus (peninsula), Greece ... 799, 808
Pelts
  Animal: Northwest Angle, Minn ... 273, 275, 277, 280 282, 284; ill. 283
  Muskrat: Louisiana ... ill. 708
Penasse, Minn ... 268, 272, 276
Pendulums, Clock: U. S. Naval Observatory ... 401
Penguin
  Adélie: Antarctica ... ill. 497
  Emperor: Antarctica ... ill. 521
  Macaroni: Antarctica ... ill. 520
Penguins: Antarctica ... 516
Penn, William ... 6
Pennell, Lt. Harry L. L ... 495
Pensar (island), Finland 248, 251, 258; ill. 242, 260, 262
Pentapolis (ancient region) ... 741
Peony (*Pæonia* various species) 43, 47; color plate, page 42
Perambulators: London ... ill. 778
"Perfectionists": Mohawk Valley, N. Y ... 80, 101
Perique (strong tobacco): Louisiana ... 728
Perkins, Jack ... 517, 521; ill. 431
Permanente Metals Corporation, La ... 726
Pershing, John J ... 825
Persian garden ... color plate, page 31
Persian Gulf ... 737
Peru ... 727
Peshawar, India ... 597
Petén, Department of, Guatemala ... 547, 548, 552; color plate, page 547
Petén Itzá, Lake, Guatemala ... 548
Peter (apostle) ... 747
Peter (cat) ... 775; ill. 777
Peter I Island, Antarctica ... 500
Petra, Trans-Jordan
  Amphitheater ... color plate XII, page 764
  El Khazna ... color plate VIII, page 760
  Tombs ... color plates IX, page 761; XIII, page 765
Petroglyph Camp, Big Bend, San Juan (river), Utah ... 154
Petroglyphs: Arches National Monument, Utah ... 176
Petroleum
  Mohawk Valley, N. Y ... 102
  United States, South Central ... 846
Petsamo region, U.S.S.R ... 235, 236, 237
"Petsamo triangles" ... 235
Petticoat Lane, London ... 789
Petunia (*Petunia hybrida*) ... 50
Petunia axillaris (Petunia species) ... 50
Petunia violacea (Petunia species) ... 50
Petunias ... color plate, page 51
  Burpee's Floradale Farms ... ill. 15
  South American: Skagway, Alaska ... 1
Pharomacrus mocino (quetzal) ... color plate, page 558
Pharos (building), England ... 112
Pheasant Run Jill (dog) ... 396
Phelps, Roy ... 315
Philadelphia, Pa ... 16, 69, 712
Philippine Islands ... 721
Philippine Sea (aircraft carrier) ... 444, 455, 491, 503, 512; ill. 433, 434
Philistia (Palestine) ... 741
Philistines ... 739, 740, 741, 746
Phlox
  Moss-Pink (*Phlox subulata*) ... 62
  Summer Perennial (*Phlox paniculata*) ... 62; color plate, page 63
  Texas (*Phlox Drummondii*) ... 62
Phoenicia (ancient country) ... 745
Phoenicians (people) ... 14
Photographer
  Hauled up from snow crevasse: Antarctica ... ill. 487
  Navy, wears foul-weather clothing ... ill. 498

Page
Photometer ... 310; ill. 294
  Aurora's brightness measured ... 698; ill. 696
Pickerel, Boys catch: Plymouth, Mass ... color plate IV, page 212
Piehtaroida (snow roll): Finland ... 239
Pier: Naval Gun Factory, Wash., D. C ... ill. 519
Pig: Guatemala ... color plate, page 556
Pigs, "Amphibious": Great sand barrier reef, N. C.-Va. 331, 349; ill. 335
Pilgrim (ship) ... 207
"Pilgrim breakfasts": Plymouth, Mass ... 202
Pilgrim Church, Plymouth, Mass ... 196
Pilgrim Hall, Plymouth, Mass ... 194, 217; ill. 194
Pilgrim Monument, Provincetown, Mass ... 208
"Pilgrim Progress" (procession): Plymouth, Mass. 193, 194; ill. 195
Pilgrim Society ... 194
Pilgrimage, Gandhi's: Eastern Bengal ... 610–611
Pilgrims (people)
  Land of the Pilgrims' Pride (Massachusetts). By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map, Aug ... 193–219
"Pilgrims" (boats) ... 214
Pilgrim's Progress (Bunyan): Quoted ... 572
Pillar, Cast iron, marks boundary: Manitoba-Northwest Angle ... ill. 274
Pincushionflower. *See* Scabious, Sweet
Pine
  Dwarfed ... color plate, page 46
  Italian Stone (*Pinus Pinea*) ... 26; color plate, page 27
Pine Creek, Northwest Angle, Minn ... 272
Pine Island (seaplane tender) ... 500, 502; color plate III, page 447
Pineapples: London ... 771
Pinheiro, General ... ill. 297
Pioneers
  Jewish: Palestine ... 741
  Northwest Angle, Minn.-Canada area ... 265, 266, 267, 268, 270, 273, 274, 275
Pipe, Corncob: Little America II ... ill. 508
Pipe line, Oil: Palestine-Iraq ... 745
Piper-Cub (airplane) ... 281
Pipes, Water: Antigua, Guatemala ... 527
Piraeus (Peiraievs), Greece ... 807
Pirate, Figure of, depicted underwater: Hatteras Inlet, N. C ... 349; ill. 336
Pirogues (dugout canoes): Louisiana ... 706, 723, 734; ill. 722
Pitanga (fruit tree), South American ... 49
Pittsburgh, Pa ... 705, 728
Piute Indians: Utah ... 153, 163, 173
Piute Rapids, San Juan (river), Utah ... 155
Plane, Scouting
  Antarctica ... ill. 489
  Lowered from deck of *Mount Olympus* ... ill. 461
Planes, Scouting, detect the weather: Antarctica ... 456
Plankton (organisms): Antarctica ... 507
Plant explorers ... 15, 16, 17
Plantations: Louisiana ... 711
Plants
  Alpine ... 15
  English: Plymouth, Mass ... 211
  Potted ... 14, 15
Plants (factories)
  Louisiana ... 705, 706, 722, 723, 724, 726, 727, 728, 738; color plates IV, page 716; VI, page 718; VII, page 719
  New York ... 79, 96, 105, 106, 107; ill. 70, 74, 107; color plate V, page 85
Plaquemines Parish, La ... 728
Play, enacted in studio: Schenectady, N. Y ... color plate XV, page 103
Plaza de Armas, Antigua, Guatemala ... 527, 528
Pleiades (constellation) ... color plate VIII, page 692
Pliny the Elder ... 420
Pliny the Younger ... 26
Plum, Jambolan ... 49
Plum blossoms ... 47
Plumeria (flower genus) ... 58
Plumeria rubra (Frangipani) ... 58
Plums: London ... ill. 771
Plymouth, Mass.
  Land of the Pilgrims' Pride. By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map, Aug ... 193–219
Plymouth Bay, Mass ... 193, 203, 208; ill. 197
Plymouth Colony, Mass.
  Land of the Pilgrims' Pride. By George W. Long. With 12 ills. in color from natural-color photographs by Robert F. Sisson. 14 ills. in black and white, 1 two-thirds-page map, Aug ... 193–219
Plymouth Cordage Company ... 203; ill. 204
Plymouth Hollow, Conn ... 425
Plymouth Rock ... 193, 194; ill. 198; color plate VII, page 215
Poinciana, Royal. *See* Flamboyant
Poinsett, Joel R ... 17

Page

- Poinsettia (*Euphorbia pulcherrima*)....17, 56; color plate, page 57
- "Point Barkley," Va.... 331
- Pointer (dog)....374, 376; ill. 370
  - German short-haired....color plate XIII, page 389
- Pointers (dogs)....color plate III, page 379
- Poker-Plant (*Kniphofia*, several species)....34; color plate, page 35
- Poland.... 233
- Polar expedition. *See* Antarctica
- Polar Plateau, Antarctica....435, 443, 460, 461, 483, 497, 504, 512
- Poles, used in seine fishing: Finland....ill. 254
- Policeman
  - New York City....ill. 426
  - Todos Santos, Guatemala....color plate, page 532
- Politicians, Mexico City, seek refuge in San Antonio 827, 830
- Pollination, Hand: Burpee's Floradale Farms....ill. 15
- "Polliwogs" (men on first trip across equator).... 438
- Polo, Marco....13, 43
- Polochic River, Guatemala.... 552
- Polyanthas, Garden....19; color plate, page 18
- Pomeiooc (Indian town)....plate III, page 355
- Pomerantz, Martin.... 299
- Pompeii (ancient city).... 8
- Ponce de León (discoverer).... 351
- Pond: Plymouth, Mass....color plate IV, page 212
- Pontchartrain, Lake, Gulf of Mexico-Mississippi River 706, 845
- Pony: Monument Valley, Utah....color plate VIII, page 172
- Pool Yacht Club: Scituate, Mass....color plate II, page 210
- Pope Gregory XIII.... 415
- Popeye, Statue of: Crystal City, Tex....845, 846
- Poplar Creek, U. S.-Canada.... 273
- Poppies
  - California (*Eschscholzia californica*)....60; color plate, page 61
  - Oriental (*Papaver orientale*)..30; color plate, page 31
- Porch, Sun, Webster home: Holderness, N. H....color plate VIII, page 232
- Poronel, Señor (Guatemalan medicine man).... 564
- Porpoise: Marine Studios, Marineland, Fla....ill. 139
- *Porpoise* (ship).... 491
- Port Arthur, Tex.... 846
- Port Purvis, Florida Island.... 134
- Porter, William Sydney. *See* Henry, O.
- Porter, Uniformed Negro: New Orleans, La....color plate II, page 714
- Portland Weather Bureau, Oreg.... 109
- Ports
  - Foreign trading: Louisiana....728, 737
  - Shipping: Louisiana.... 728
- Post Office. *See* United States Post Office
- Poster, Motion picture: Antarctica.... 442
- "the Pot that Washes Itself" (Indian name for Canajoharie)....89; color plate VIII, page 88
- Potatoes
  - Dried sweet: Louisiana....721, 722, 723; color plate VIII, page 720
  - Guatemala.... 541
  - Mexico.... 3
- Potomac River, Penguins, escaped, on.... 520
- Pots: London....ill. 788
- Potsherds: Momostenango, Guatemala.... 562
- Pottery
  - Palestine....748; ill. 743, 749
  - Plymouth, Mass....199, 211; color plate III, page 211
- Potts Camp, Monument Bay, Canada.... 279
- Poultry: Texas....832, 841
- Pound Keeper: Plymouth, Mass.... 196
- Powassin (Indian chief).... 268
- Powder Point, Duxbury, Mass.... 208
- Powell, John Wesley....155, 158, 161
- Power, Water: Mohawk Valley, N. Y.... 78
- Pralines: San Antonio, Tex.... 832
- Pram
  - Hyde Park, London....ill. 773
  - Wheelless: Kew Gardens, London....ill. 772
- Prawns: London.... 785
- Prestrud Shelf Ice, Antarctica....440, 441, 509
- Prickly-pear pads, hung in market stalls: Sololá, Guatemala.... 564
- *Pride and Prejudice* (Austen).... 207
- Priest, Greek Orthodox: Greece....ill. 807
- Priests
  - Jesuit: Northwest Angle, Minn....267, 268, 273
  - Sikh: Delhi, India....ill. 608
- Prime Minister, Canada....566, 582, 587; color plate II, page 574
  - Home of.... 588
- Primrose (*Primula*, various species)....3, 19
  - Field (*Primula vulgaris*).... 19
- *Primula elatior* (Ox-lip).... 19
- *Primula veris* (Cow's-lip).... 19
- Prince, Reverend Thomas.... 307
- Prince Albert Range, Antarctica.... 468
- Prince Olav Mountains, Antarctica.... 468
- Princess Anne, Va.... 331
- Prinslow, C. M....ill. 696
- Priolithos (village), Greece.... 803
- *Priscilla* (barkentine).... 340
- Priscilla Beach Theater, Mass.... 207
- Processed foods, Provisioner sells: London.... 781
- Procession, Pilgrim: Plymouth, Mass....193, 194; ill. 195
- Proctor, Frederick T.... 79
- Proctor, Thomas R.... 79
- Produce Row, San Antonio, Tex.... 831
- Products
  - Market
    - Athens, Greece....ill. 798
    - Yemen.... 637
  - Trade: Louisiana....711, 712, 721, 722, 723, 726, 727, 728, 737
- Projector, magnifies clock parts....ill. 422
- Prominences, Sun's....683; ill. 680, 683
- Provence (old French province).... 585
- Providence, R. I.... 398
- Provisioners, London....770, 772, 775, 780-781
- Psalm 137: Quoted.... 748
- Public Health: Finland....244, 245, 247, 264
- Pueblo culture: Utah.... 176
- Puerto Barrios, Guatemala....548, 552
- Puerto Rico....523, 524, 721, 728
- Pulp mills: Canada.... 594
- Pulpit Rock, Clark's Island, Mass.... 205
- Pumice: Guatemala.... 534
- Pump, Water: Angle Inlet, Minn....ill. 282
- Punjab, India.... 600
- Punjabis: India....605; ill. 604, 605
- Punk-tree. *See* Cajuput-Tree
- Punt (ancient country)....8, 12
- "Punt Colonnade," Reproduction of: Metropolitan Museum of Art, N. Y....ill. 12
- Puppies, Husky: *Mount Olympus*....ill. 443
- Puppy, Cocker spaniel....ill. 397
- Purana Kila. *See* Old Fort
- *Purdah*: India....605, 607, 630
- "*Purple hair*" (grass).... 340
- Purple Heart (decoration).... 632
- Putnam's, G. P., Sons.... 673
- Pyramid: Mexico....color plate, page 55
- Pyrethrum (insecticide).... 4
- Pyrethrum (plant).... 4

Q

- *Qadi* (Yemen official).... 644
- Qassim, Prince.... 669
- Qilt, Wadi, Palestine.... 750
- Quackenbush, Capt. Robert S., Jr.... 434
- Quadrangle, Fort Sam Houston, Tex....color plate IX, page 833
- Quail: Camouflage of.... 378
- *Quamoclit coccinea* (flower species).... 52
- *Quamoclit pennata* (Cypress Vine).... 52
- Quartermasters
  - Fix position of a shoal....ill. 135
  - Shoot sextant angles....ill. 146
- Quebec, Canada....570, 581
- Queen Alexandra Range, Antarctica....468, 483
- Queen-Anne's-Lace (*Daucus carota*).... 49
- Queen Mary Coast, Antarctica.... 498
- Queen Maud Land, Antarctica....431, 499
- Queen Maud Range, Antarctica....435, 460, 470, 484, 490, 512
- "Queen of the Missions." *See* San José (mission)
- *Quemaderos* (burning places): Momostenango, Guatemala.... 562
- Quetzals
  - Bronze: National Palace, Guatemala City.... 559
  - Mounted: Cobán, Guatemala....color plate, page 558
- Queues: London....770-771, 772, 775, 787; ill. 778, 785
- Quezaltenango, Guatemala....541; color plate, page 561
- Quichés (Indians): Guatemala....540, 541; color plate, page 554
- Quincewood: Guatemala.... 540
- Quinine.... 524
- Quiriguá Vieja, Guatemala: Stela....color plate, page 548

R

- R4D (airplane)....443, 444, 453, 455, 456; ill. 434, 488, 491, 512; color plate I, page 445
- Rabaul, New Britain....139, 142
- Race, Oxford-Cambridge: Henley on Thames.... 722
- Racecourse, New Delhi, India.... 601
- Raceland, La.... 733
- Races, Pirogue: Louisiana....ill. 722
- Radar.... 403
- Radio
  - Balloon-borne: Brazil....ill. 311
  - Disturbed by particles from sun....673-674, 683, 693, 696; ill. 674
  - Long-distance
    - Importance to Allies in World War II....683, 684
    - Magnetic storms disturb.... 674

Page
Radio—(Cont.)
  Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov ... 673-704
  Yemen ... 653, 657
Radio communications ... 288, 295, 298, 300, 311
Radio signals ... 288, 310, 311
Radio waves ... 320
Radiosondes (robot recorders of atmospheric soundings) ... 510
RAF: Great Britain ... 778
Rafts
  Float logs: Canada ... color plate XIV, page 594
  Homemade, on pond: Plymouth, Mass ... color plate IV, page 212
  Life: Cape Hatteras, N. C ... color plate III, page 343
  Rubber: Virginia Beach, Va ... ill. 328
Raghib, Qadi Bey ... 669
Rahida, Yemen ... 636
Railroads
  Instituted standard time ... 409, 411, 413
  Narrow-gauge: Edaville: Massachusetts ... 204, 205
Rain, Man-made: Gresham, Oreg ... ill. 109
Rainbow Bridge, Utah ... 153, 162, 163; color plate VI, page 170
Rainbow Bridge Canyon, Utah ... ill. 160
Rainbow Bridge National Monument, Utah ... 155
Raincape, Palm-leaf: Santiago Atitlán, Guatemala color plate, page 542
Rains: India ... 599
Rainy River, Minn ... 265
Raisina Hill, New Delhi, India ... 600, 618
Rajputana, India ... 597
Raleigh, Sir Walter ... 112, 347, 351, 423
  Character in drama ... color plate VI, page 346
Rameses the Great ... 8
Ramirez, Lt. Rafael ... 292
Ramsey, Adm. De Witt ... 466
Ranch, Mink: Northwest Angle, Minn ... 282, 283, 284; ill. 280
Randolph (Earl of Moray) ... 111
Randolph Field, San Antonio, Tex ... 825, 846
Rangeley, Maine ... 204
Rangeley Express (railroad): Maine ... 204
Ransom (lobsterman) ... 206
Rapids: San Juan (river), Utah ... 151, 153, 155
Rare Books Division, Library of Congress ... 352
Raspberries: London ... 783
Rationing
  Finland ... 235, 238, 244, 245, 246, 250
  Keeping House in London. By Frances James. 24 ills., Dec ... 769-792
    Clothes ... 772, 775, 787
    Food ... 772, 775, 776, 781, 783, 784, 785
Rationing office: London ... ill. 781
Rattlesnake meat, on menus: San Antonio, Tex ... 832, 835
Ravenala madagascariensis (Travelers-Tree) ... 38
Rawhide, Manatee: Livingston, Guatemala ... 558
Rayne, La ... 728
Rebellion of 1837: Canada ... 581
Reboso (black shawl) ... 827
Reconstruction: Ottawa, Canada ... 585, 586-587
Records, Historical: Plymouth, Mass ... 105
Red Ensign (flag): Canada ... ill. 587
Red Fort (Lal Kila), Delhi, India ... 630; ill. 604
  Lahore Gate ... color plate XIV, page 626
Red River, Okla.-Tex ... 705, 711
Red River Dave (singer) ... 843
Red River of the North, U. S.-Canada ... 205
Red River Parish, La ... 724
Red River Valley, Okla.-Tex.-La ... 711
Red Sea ... 631, 634, 638, 640, 645, 655, 663, 737
Reef. *See* Great sand barrier reef
Refining plant, Gasoline: Haifa, Palestine ... 745
Refrigerators, Electric, Scarcity of: London ... 777
Reinbolt, Lt. F. L ... 499
Reinhardt, Comdr. Charles O ... 453
Reinikainen, Prof. Oskar ... ill. 248
Relativity, Theory of ... 300, 306, 308, 309
Relics
  Mohawk Valley, N. Y ... 68, 92
  Pilgrim Hall, Plymouth, Mass ... ill. 194
Reliefs, Bas, Bronze doors: Louisiana ... ill. 725
Religions
  Delhi, India ... 605-606
  Guatemala ... 518, 532, 562, 564
Religious ceremonies
  First determined by blooming of plants ... 3, 6
  Guatemala ... 540; color plate, page 553
  Yemen ... 642, 644, 656
Religious leader: All Saints' Day Ceremony: Santo Tomás Chichicastenango, Guatemala ... color plate, page 554
"Remember the Alamo" (battle cry) ... 814
"Remember the *Maine*" (battle cry) ... 825
Remington, Eli ... 80
Remington Arms (plant), Ilion, N. Y ... 80; ill. 91
Remington-Rand (factory), Ilion, N. Y ... 80

Page
Renaissance: Gardening ... 13-14, 15
Renner, F. G.
  Erosion, Trojan Horse of Greece. By F. G. Renner. 19 ills., 1 half-page map, Dec ... 793-812
Rennick Bay, Antarctica ... 495
Reptile Garden, Brackenridge Park, San Antonio, Tex ... 832, 835
Research, Scientific, Antarctica a laboratory for 506, 507, 508, 509
Reservoir: Yemen ... ill. 658
Resolute (U. S. mail boat) ... 276, 279; ill. 284
Retalhuleu, Guatemala ... 541
Retama (desert shrub) ... 813
Retrievers
  "Blind retrieve" by ... 393
  Chesapeake Bay ... 376; color plate XV, page 391
  Curly-coated ... 376; color plate XIV, page 390
  Flat-coated ... 376; color plate XIV, page 390
  Golden ... 376; ill. 373, 375; color plate X, page 386
  Labrador ... 376, 398; ill. 371, 398; color plate XVI, page 392
  Nonslip ... 374, 376
  Show mettle in water ... 393; ill. 371, 398
Retsina (resinated wine): Greece ... 793
Reuff's Tavern, Mohawk Valley, N. Y ... 92
Revelation: Quoted ... 749, 751
Revolution
  French ... 710
  U. S.: Mohawk Valley, N. Y ... 67, 68, 69, 80, 89, 92, 94, 95, 96
Revolvers: Texas ... 825
Rex, King of Carnival: New Orleans, La ... color plate II, page 714
Rhoads General Hospital, Utica, N. Y ... 80
Rhododendron (azalea genus) ... 47
Rhododendron, Catawba (*Rhododendron catawbiense*) 6, 10, 65; color plate, page 64
Rhododendron calendulaceum (Flame Azalea) ... 65
Rhododendron delavayi: Tayin Shan, China ... ill. 10
Rhododendrons: Great Smoky Mountains National Park ... ill. 11
Rhumba. *See Son*
Ribbons, on women's heads: Santiago, Guatemala color plate, page 526
Rice, Capt. John M ... 292; ill. 297
Rice
  Louisiana ... 721, 728
    Sown and fertilized from airplanes ... 721; ill. 707
  United States, South Central ... 845
Richardson, Dr. H. H ... 517; ill. 431, 511
Richardson, Ralph E ... 299, 310; ill. 294
Richland, Wash ... 106
Ricinus communis (Castor-Oil-Plant) ... 34
Rickenbacker, Eddie ... 142
Rickey (Husky) ... ill. 482
Rideau Canal, Ontario, Canada ... 585, 586, 593; ill. 568-569; color plate XV, page 595
Rideau Club, Ottawa, Canada ... 585, 588
Rideau Hall, Ottawa, Canada ... 588
Rideau River, Canada ... 588
Ridge, The, India ... 629
Riding crops, Rawhide: Guatemala ... 558
Rifles, U. S. Navy Survey party carries: Pacific island ill. 147
Riggers, Navy, erect survey tower ... ill. 133, 141
Riggs National Bank, Wash., D. C.: Vault clocks ... ill. 423
Rio de Janeiro, Brazil ... 285, 287, 288, 289, 292, 296, 298, 299, 314
Río Dulce, Guatemala ... 558
Rio Grande (river), Mexico-U. S ... 523, 846
Rio Grande Valley ... 837
"Rip Van Winkle" (character) ... 728
River Clyde, Baffin Island ... 693
River of May (St. Johns), Fla ... 358
Rivers
  Desert River (San Juan) Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug ... 149-172
  See also Mohawk River
Roads. *See* Highways and roads
Roanoke Island, N. C.
  Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map, Sept ... 325-350
  Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept ... 351-368
Roanoke Sound, N. C ... 346
Robbins, James H ... 503
Roberts, J. Baylor ... 712
  Carnival in San Antonio. 19 ills. in color from natural-color photographs by J. Baylor Roberts. Dec ... 817-840
  Louisiana Trades with the World. 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. Dec ... 713-736

Page

Robes
  Arab Legionnaires wear......color plate xv, page 767
  Black: House of Commons, Ottawa...... 565
Rochester, N. Y......90, 95, 96
Rock, Dr. Joseph F......ill. 10
Rock
  Variegated: Petra, Trans-Jordan...color plates ix, page 761; xiii, page 765
  Volcanic: Santiago Atitlán, Guatemala...color plate, page 507
  See also Plymouth Rock
Rock strata, Age of...... 408
Rockcliffe Park, Ottawa, Canada...... 588
Rockefeller Center, N. Y......17; ill. 9
Rockefeller Foundation...... 630
Rockefeller Mountains, Antarctica...489, 509, 512, 513, 514, 515
Rockelholm (island), Finland...... 245
Rocket-propulsion, aids plane take-off...444, 453, 456; ill. 434, 488
Rockets......300, 310
Rocks, Bare: Antarctica......color plate viii, page 452
Rocky Mountains, U. S.-Canada...... 737
Rocky Nook, Mass......194, 199
Rodanthe, N. C...... 339
Rodeo: Santiago Atitlán, Guatemala...color plates, pages 544–545
Rodriguez, Senhor Lysandro Vianna......ill. 297
Roland, Arthur...... 398
Roman Catholic Church......104, 105
"Roman-jumping three horses" (cavalry maneuver) ill. 831
Romans......19, 21
Rome, N. Y...66, 67, 68, 69, 71, 73, 75, 77, 84, 85, 98; color plate x, page 99
Romney, George (artist)...... 92
Roof, Thatched, European cottage...color plate, page 20
Roosevelt, Franklin D...... 523
  Ancestors of......208, 215
  Radio-telephone message to Churchill cancelled...... 674
Roosevelt, Theodore: Roughriders...... 825
Roosevelt Island, Antarctica......460, 507, 509
Roosevelt Sea. *See* Amundsen Sea
Root, Elihu...... 80
Rope: Plymouth, Mass......203; ill. 204
Rope coils, top headgear: Palestine......ill. 752
Rosa Eglanteria (Eglantine)...... 19
Roscoe, Lt. John H......ill. 506
Rose (*Rosa*, various species)...... 19
  Cherokee...... 6
  Dog (*Rosa canina*)...... 19
  French (*Rosa gallica*)...... 19
Rose-Apple, Malayan...... 49
Rose-of-China. *See* Hibiscus
Rose Window, San José mission...... 816
Roseau County Historical Society, Northwest Angle, Minn...... 269
Roseau River, U. S.-Canada...... 265
Rosemallow. *See* Hibiscus
Roses
  English: Plymouth, Mass.....color plate iii, page 211
  West Bridgewater, Mass......color plate v, page 213
Ross, Dr. Frank E...... 299
Ross, Sir James Clark......429, 435, 449, 468
Ross Ice Barrier, Antarctica...438, 442, 457, 463; ill. 514, 518
Ross Island, Antarctica......476, 506, 515, 516
Ross Sea, Antarctica...432, 434, 435, 438, 440, 444, 453, 455, 457, 463, 468, 477, 505, 512, 514
  Ice cakes......color plates iv–v, pages 448–449
  Open water......ill. 456–457
Ross Shelf Ice, Antarctica...435, 440, 457, 460, 467, 469, 477, 479, 483, 490, 507, 509, 512, 514, 515; color plates ii, page 446; vi, page 450
Rotenone...... 524
Rother, River, Sussex, England...... 129
Rotterdam Junction, N. Y...... 105
Roughriders: Spanish-American War...... 825
Round Table (mythical table)...... 111
Rovaniemi, Finland
  Scenes of Postwar Finland. By La Verne Bradley. With illustrations from photographs by Jerry Waller. 30 ills., 1 half-page map, Aug......233–264
Royal Botanic Gardens, Kew, England...... 34
Royal Cadet Corps: Yemen...color plates vi, page 650; vii, page 651
Royal Canadian Air Force...... 272
Royal Canadian Mounted Police: Ottawa, Canada 565; ill. 571; color plates i, page 573; ix, page 589
Royal Kohinoors (mink)......284; ill. 283
Royal Navy...... 336
Royal Observatory, Greenwich, England...... 407
Royal Street, New Orleans, La...... 705
Rubber...... 524
  Synthetic...... 718
Rudy Inlet, Va...... 349
Rue, used as tonic stimulant......4, 5
Rugs
  Manufacturing of: Amsterdam, N. Y...... 105

Page

Rugs—(Cont.)
  Navajo: Utah......color plate i, page 165
  Persian......12, 30, 31
  Samples: Amsterdam, N. Y....color plate xiii, page 101
  Trans-Jordan...color plates vi, page 758; vii, page 759
Ruins
  Maya: Guatemala......547; color plate, page 548
  Prehistoric: Forbidden Canyon, Utah...... 153
  War: Finland......235, 237, 238, 240, 241
Ruth Siple, Mount, Antarctica...... 512

S

Saba (ancient kingdom)...... 631
Saba (lion)...... 749
Sabas. *See* St. Saba
Sabine-Neches Canal, Tex...... 846
Sabine River, La.-Tex...... 712
Sabir, Jabal (peak), Yemen......644; ill. 639
Sackcloth, for cotton prints: San Antonio, Tex...color plate xii, page 836
Saddlebag, Arab Legion: Trans-Jordan...color plate iv, page 756
Saddles, Canvas, worn by turkey hens...... 841
Sadhus (religious men): Delhi, India...... 605
Saffron (*Crocus sativus*)...... 23
Sage, Scarlet (*Salvia splendens*)...50; color plate, page 51
Saif al-Islam (title)
  Meaning of...... 633
  See also Abdullah, Crown Prince; Ahmed, Crown Prince
Sailboats
  Duxbury, Mass......color plate vi, page 214
  Plymouth, Mass......color plate i, page 209
Sailing: Plymouth area, Mass....208; color plates i, page 209; vi, page 214
St. Boniface College, Manitoba, Canada......268, 273
St. Dunstan's-in-the-West Church, London......ill. 418
St. Francisville, La......720, 723
St. George (monastery), Palestine...... 750
St. Ives (Stevenson)...... 111
St. James
  Day of: Santiago Atitlán, Guatemala......527, 540
  Statue of......color plate, page 553
St. James Parish, La...... 728
St. Johns (river), Fla...... 358
St. John's Newfoundlander (dog)...color plate xvi, page 392
St. John's Water Dog......color plate xv, page 392
St. Johnsville, N. Y...... 89
St. Lawrence River, Canada...... 67
St. Lawrence Valley, Canada...... 581
St. Leger, Col. Barry...... 69
St. Louis, Mo...... 705
St. Lucia (island), West Indies...... 523
St. Martinville, La......706, 710
St. Mary's Street, San Antonio, Tex...... 813
St. Michael...... 62
Saint Paul, Baron Walter von...... 36
St. Saba...... 749
St. Saba (monastery), Palestine......749; ill. 750
Saintpaulia ionantha (African-Violet)...... 36
Salad, Flowers used in...... 3
Saladin (Sultan of Egypt and Syria)......752, 766
Salem, Mass...... 331
Saleswoman: Chelsea, London......ill. 788
Salmon, Clarke, Sr...... 728
Salome (sister of Herod the Great)...... 739
Salonika, Greece...... 795
Salpiglossis (plant)...... 50
Salt, Blocks of: Louisiana......color plate viii, page 720
"Salt" Mountains. *See* La Sal Mountains
Salt pans: Palestine Potash, Ltd...... 743
Salt Sea. *See* Dead Sea
Salt Valley, Utah......175; color plate v, page 181
Salt Valley Wash, Utah...... 175
Salvia splendens (Scarlet Sage)...... 50
Samara, Jabal (mountain), Yemen...... 670
Samaria (Sebastye), Palestine...... 745
Samaritan priest: Nablus, Palestine......749–750
Samarjopoulos, Panayotis (Greek)...... 800
Samoa (islands), Pacific Ocean......131, 134
Sampson, George......206, 207
Samuel (Biblical character): Quoted...... 741
San Antonio, Tex.
  Carnival in San Antonio. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white, Dec......813–844
    Food......831, 832, 842; color plate xv, page 839
    History of......813, 814, 815, 816
    Immigration......826, 827
    Military installations....816, 825; color plate ix, page 833
    Missions...813, 815, 816; color plates i, page 817; iv, page 820; v, page 821
    Population......816, 827
    Slums become a museum...... 816
    Weather......822, 825, 843, 844

Page
San Antonio Aguas Calientes, Guatemala. 524, 562; color plate, page 534
San Antonio Air Depot........ 825
San Antonio-Austin-Cuero triangle (turkey producers). 832
San Antonio *Light* (newspaper)........ 844
San Antonio Palopó, Guatemala........534, 538
San Antonio River, Tex....813, 820, 828, 842; ill. 827, 829
"San Antonio Rose" (song)........ 843
San Buenaventura Olivares, Father Antonio de........ 813
San Fernando Cathedral, San Antonio, Tex. air view 828
San Francisco, Calif........ 145
San Francisco El Alto, Guatemala....532, 541; color plate, page 563
San Jacinto River, Tex........ 814
San Jacinto Week. *See* Fiesta de San Jacinto
San Jose, Calif........ 90
San José (mission), San Antonio, Tex........ 816
San Juan, Guatemala........ 534
San Juan, Puerto Rico........ 524
San Juan (river), U. S........ 173
  Desert River Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug........149-172
San Juan (boat)........ 149
San Juan Capistrano (mission), San Antonio, Tex....816
San Juan Sacatepéquez, Guatemala....540; color plates, pages 551, 557
San Martín House, San Antonio: Dancers........ill. 826
San Pedro (volcano), Guatemala....color plates, pages 536-537, 538
San Pedro Creek, San Antonio, Tex........ 830
San Pedro La Laguna, Guatemala........527, 534, 539
San Pedro Sacatepéquez, Guatemala........ 540
San Salvador (Watling Island), Bahamas........ 523
San'a, Yemen
  Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov........645-668
  Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov........631-672
San'a Palace Square, San'a, Yemen....color plate VI, page 650
Sand, Driving on: Great sand barrier reef, N. C.-Va. 325, 326, 330, 338, 339, 340, 349, 350; ill. 327, 350
Sand dunes: Ascalon, Palestine........ 739
"Sand waves": San Juan (river), Utah........151, 154
Sandals, Men wear: Santiago Atitlán, Guatemala.... 542
Sandstone: Utah....174; ill. 158; color plate XI, page 187
Sandvik, Finland........ 244
Sandwich, Mass........ 217
Sandy, Agnes........ill. 275
Sandy, Leslie........ 272
Sandy, Mrs. Frank........ill. 275
Sandy, Patrick........ill. 275
Sandy, Ronald........ 279
Sandy Hill (residential district), Ottawa, Canada.... 588
Sanford, John........ 105
Sanger, Richard H.
  Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov........645-668
Santa Anna (Mexican general)........814, 815
Santa Catarina, Guatemala........ 534
Santa Cruz, Calif........ 350
Santa Cruz, Guatemala........ 534
Santa Fe Trail........ 712
Santa Gertrudis (cattle)........ 846
Santiago Atitlán, Guatemala
  Guatemala Revisited. By Luis Marden. With 40 ills. in color from natural-color photographs by the author and Helen S. Williams. Oct....525-564
Santo Tomás Chichicastenango, Guatemala....532, 541, 556; color plates, pages 553, 554, 555
Saponaria (soapwort)........ 5
Sapote trees: Guatemala....547, 548, 552; color plate, page 547
Saquish Head, Mass........205, 208
Sargent, Henry........ 194
Saris: Delhi, India....605; ill. 604, 605; color plate V, page 617
Sastrugi (snow ridges)........453, 462, 463
  Indicate wind direction........ 462
Sauce, McIlhenny Tabasco: Louisiana....color plate XVI, page 736
Saudi Arabia........631, 656
Saul (Biblical king)........ 739
Sauna (steam bath)........239; ill. 260
Sausage Rock, Utah........ 174
Saville, Brig. Gen. Gordon P........286, 314
Sayani, Yemen........ 672
Scabious, Sweet (*Scabiosa atropurpurea*)....21; color plate, page 20
Scales, Portable: Finland........ill. 261
Scandinavia........233, 237, 251, 265
Scarves
  Head: Trans-Jordan........color plate XV, page 767

Page
Scarves—(Cont.)
  Indian women's: Guatemala........color plate, page 527
  Rationed: London........ 772
Scenes of Postwar Finland. By La Verne Bradley. With illustrations from photographs by Jerry Waller. 30 ills., 1 half-page map, Aug........233-264
Schaefer, Vincent J. (scientist)........ill. 108
Schauer, Col. Paul C........292; ill. 312
Schenectady, N. Y....75, 76, 97, 105, 106, 107, 108, 110, color plate II, page 82
Schizanthus (flower)........ 50
Schmidt, Peter........ill. 204
Schnakenberg, H. E. (artist)........ 81
Schoene, Lt. C. A........ 509
Schoharie Creek, N. Y........ 105
Schoharie Valley, N. Y........78, 95, 105
School: Delhi, India........ill. 606
School of Agriculture, Agricultural and Mechanical College of Texas........ 525
School of Art studios: Utica, N. Y........ 80
Schoolboys: San'a, Yemen....ill. 671; color plate V, page 649
Schoolgirls: Bexar County, Tex....color plate XIV, page 838
Schuyler, Nicholas........ 87
Schweisshunde (bloodhound)........ 398
Scituate, Mass........193, 217, 218, 219
  Well........color plate VII, page 215
  Yacht Club pool........color plate II, page 210
Scopus, Mount, Palestine........ 748
Scoronine of Deer Creek (dog)........ 393
Scotland........ 67
Scott, Leo W........310; ill. 312
Scott, Capt. Robert F....429, 435, 462, 466, 468, 469, 471, 477, 483, 495, 515, 516
  Expedition camp, 1901-04........515, 516
  Expedition camp, 1911........516, 522
Scott, Sir Walter........111, 129
Scott Glacier, Antarctica........484, 485
Scott Island, Antarctica....434, 435, 436, 444, 449, 458
Scottsburg (steamship)........ 737
Screen, Carved: Red Fort, Delhi, India........ill. 604
Scurvy: Africa........32, 33
Sea cows. *See* Dugong; Manatees
Seals: Antarctica........ 516
  Crabeater........ill. 431
  Weddell........487, 512, 513; ill. 501
    Calls........ 487
Seatrain Lines, Inc., La........ 738
Seatrain New Jersey (ship)........ill. 738
Seaview Rex (dog)........ 370
Sebaste. *See* Samaria
Sebastye. *See* Samaria
"Second War": Finland........ 240
Secota (Indian town), Va........plate II, page 354
Secretariat, New Delhi, India....599, 619; ill. 598; color plate VI, page 618
Seine (fishing net): Finland....251, 252, 253, 258; ill. 253, 254, 255, 256, 257
Seismograph: Louisiana........ill. 710
Seismograph station: Mount Helen Washington, Antarctica........ 515
Selby, Meyer........272, 279
Selfridge's (store), London........ill. 787
Senate, Ottawa, Canada........570, 572
  Members' wives....color plates IV-V, pages 576-577
  Speaker........570, 572; ill. 582
Senate Chamber, Ottawa, Canada....565, 572, 588; color plates IV-V, pages 576-577
Senatorial Districts, Puerto Rico: Boundaries........ 524
Senators: Ottawa, Canada....572; color plates IV-V, pages 576-577
Seneca, Lucius Annaeus (philosopher)........ 693
Sennacherib (Assyrian king)........ 7
Sennet (submarine)........435, 438; ill. 458
Sentinel Rock, Ariz........ 164
Sergeant at Arms, Ottawa, Canada....565; color plates III, page 575; IV-V, pages 576-577
Serra, Padre Junípero........6, 15
Servants, Lack of: London........ 789
Seth Thomas Clock Company........425; ill. 422
Setters
  English....ill. 370, 372; color plates I, page 377; II, page 378
  Gordon........color plate IV, page 380
  Irish........color plates I, page 377; V, page 381
Sextants, Quartermasters use........ill. 146
Sexton, Town: Plymouth, Mass........ 196
Shackleton, Sir Ernest....429, 466, 468, 469, 471, 473, 479, 483, 522
Shackleton Inlet, Antarctica........473, 479
Shackleton Shelf Ice, Antarctica........498, 499
Shafter, General........ 737
Shakespeare, William........ 420
Shallots: Louisiana........color plate XIII, page 733
Shamontis. *See* "Jaffas" (oranges)
"Shangri-la," New Guinea........ 722
Sharks: Tarawa (island)........ 143

Page

Shawl, Weaving: Santo Tomás Chichicastenango, Guatemala .... color plate, page 555
Sheba (Saba), Queen of 631, 652
Shebandowan Lake, Ontario, Canada 275
Shechem. *See* Nablus
Shed of Arden (dog) .... ill. 398
Sheep
  Bighorn: Utah 153, 172
  Navajo: Monument Valley, Utah .. color plate II, page 166
Sheep and rice, Feasting on: Palestine .... ill. 752
Sheep Rock, Utah 174
Sheiks, Majali Bedouin: Trans-Jordan .. color plate VII, page 759
Shell Beach Drive, La 712
Shell Oil Company, La 709
Shells, Sea: Great sand barrier reef, N. C.-Va 325, 331
  Beachcomber treasures .... color plate VIII, page 348
Sheng-Nung (Chinese writer) 43
Shepherd: Greece .... ill. 799
Shepherdess and goat: Greece .... ill. 802
Sher Shah (emperor) 629
Sherman, Vice Adm. Forrest P 430, 466
Sherrill, N. Y 80
Sherwani coats: Delhi, India 605
Sherwood, Grace 331
Shillelagh, Blackthorn: Louisiana .. color plate V, page 717
Shinn, Lt. Conrad S 490
Ship, Weather: Antarctica 458
Ship model: Pilgrim Hall, Plymouth, Mass .... ill. 194
Ships
  Cargo: Antarctica .... ill. 454, 462, 465, 482; color plate VI, page 450
  Great sand barrier reef, N. C.-Va 326, 331, 336, 337, 339, 340, 349
  North River, Mass 217
  Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy Official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct 429–522
Shirley, Lt. C. C 517
Shirt, Colored: Santiago Atitlán, Guatemala .. color plate, page 527
Shirts, White: Santiago Atitlán, Guatemala .. color plate, page 527
Shoemaker Tavern, Mohawk, N. Y 80
Shoes, used for barter: Croydon, England .... ill. 775
Shops
  Clock: New York City .... ill. 427
  Curio: San Antonio, Tex .... 813; ill. 815
  Delhi, India .... ill. 599
  Handicraft: Mohawk Valley, N. Y 96
  Instrument: U. S. Naval Observatory .... ill. 408
  Ivory: Delhi, India .... color plate X, page 622
  London 772, 789
  See also Markets and market places; Store
Shovel, Power: Louisiana .... color plate X, page 730
Shredded Wheat packages: London 782
Shreve, Henry M 711
Shreveport, La 710, 711, 712, 716, 732, 737
  Industries .... 711, 737; color plate IV, page 716
Shreveport Times (newspaper) 711
Shrimp
  London 785
  Louisiana .... 709; ill. 726
Shrine of Our Lady of Martyrs, Auriesville, N. Y 104
Shushan. *See* Susa
Sidereal time (star time) 399, 406
Sierra Mountain Club 162
Sierra Nevada: Plants 43
Sigismund (Holy Roman emperor) 129
Sign
  Greengrocer's: London .... ill. 770
  National Geographic Society ambulance: India .. ill. 630
Signal
  Survey: Mount Suribachi .... 148; ill. 144
  Time
    U. S. Bureau of Standards 399, 402
    U. S. Naval Observatory 399, 402, 404
Signals, Hand, timing a broadcast .... ill. 405
Signs
  Furnished rooms: London .... ill. 790
  Rationing: London .... ill. 781
  Stop-and-go: Shreveport, La 711
  See also Slogan
Sigueira, Senhor João Antonio de 292
Sikhs: India .... 600, 605, 606, 609, 610; ill. 608, 611, 629
Silver, Hand-wrought: Navajo children .... color plate VIII, page 172
"Silver Street." *See* Chandni Chauk
Simla, India 599
Simpich, Frederick
  Louisiana Trades with the World. By Frederick Simpich. With 21 ills. in color from natural-color photographs by J. Baylor Roberts and others. 15 ills. in black and white, Dec 705–738
Sind Province, India 597
Sioux (Indian tribe) 265, 266

Page

Siple, Dr. Paul A .... 432, 434, 441, 443, 491, 509, 510, 517; ill. 431, 484, 508
Siri, Delhi, India 629
Sisson, Robert F 219
  Land of the Pilgrims' Pride (Massachusetts). 12 ills. in color from natural-color photographs by Robert F. Sisson. Aug 209–216
Siva (Indian god): Headdress of .... ill. 612
Sixth Avenue, Guatemala City, Guatemala 525
Skagway, Alaska: Garden 1
"Skärgården," Finland 241, 245, 264
Skates: Finland .... ill. 262
Ski planes: Antarctica .... 432, 444, 455, 456; ill. 512; color plate I, page 445
Skins, Alligator: Louisiana 728
Skirts
  Women's: Santiago Atitlán, Guatemala .. color plate, page 543
  Wrap-around, Men wear: Guatemala .. color plate, page 564
Skis
  Antarctica .... ill. 492
  Finland .... ill. 244, 249
Skuas, Antarctic (birds) 443
Skulls: Mohawk Valley, N. Y 105
Skunk Cabbage 32
Skyscrapers
  San Antonio, Tex .... air view 828
  Sandstone: Arches National Monument, Utah .. color plates VIII, page 184; XV, page 191
Sledges: Antarctica .... ill. 492, 502
  Drawn by snow tractor .... 441; ill. 505
Sleds: Finland .... 244, 252, 258; ill. 255, 256
Sleighs: Finland .... 237, 244, 245, 246, 247, 251, 252, 253, 258; ill. 252
Slick, Tom, Jr 841
Slick Horn Canyon, Utah .... 153; ill. 156–157
"Slickrock": Utah .... 174, 176; ill. 161; color plates IV, page 180; V, page 181
Slippers, Sheepskin: London 787
Slogan: London .... ill. 784
"The Slot" (passage), Solomons 134
Slums: San Antonio, Tex 816, 830
Smackover, Ark 845
Smelts: London 785
Smith, C. W. ("Buster") 547, 548, 552
Smith, Lt. Edgar 315
Smith, Capt. John 206
Smuts, Dr. Jan Christiaan 34
Smyrna (ship) 217
Snakes-Head (*Fritillaria meleagris*) .... 23; color plate, page 22
Snapdragon (*Antirrhinum majus*) .... 26; color plate, page 27
Snow, Man-made: New York .... 106–107; ill. 108, 109
Snowball, Ark 845
Snowdrop (*Galanthus nivalis*) .... 23; color plate, page 22
Snowflake (*Leucojum vernum*) 23
Soap, Rationed: London .... ill. 786
Soapworts (*Saponaria*) 5
Society Islands, Pacific Ocean 134
The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors. Oct 523–524
The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec 845–846
Socony-Vacuum Oil Company, La 709
Solander, Daniel 49
Solandra (plant genus) 49
Soldiers
  Arab: Yemen .... 643, 644, 657, 659, 670, 672; ill. 632
  U. S.
    Brazil .... 296, 316; ill. 289, 298
    San Antonio, Tex 816, 844
  Yemen .... color plate III, page 647
Sololá, Guatemala .... 538, 541, 544–545; color plates, pages 541, 564
Solomon (king of Israel) 631, 652, 749, 751
Solvay Process Company, Louisiana 726
Somali coast, Africa 12
Sombrero, Stone (rock formation): Mexican Hat, Utah .... 149; ill. 154
Son, Father and
  Petra, Trans-Jordan .... color plate IX, page 761
  Play musical instruments: Sololá, Guatemala .. color plate, page 541
Son (Guatemalan national dance) 541
Sorghum: United States, South Central 845
Soundings
  Scott Island, Antarctica 435
  Seaman takes .... ill. 135
  Sonic depth: Antarctica 513
Soup, Crab: Guatemala 519
South Africa 96
South America 285, 295, 314, 728
South Atlantic 295
South Block, Secretariat, New Delhi, India .. ill. 598; color plate VI, page 618

Page
South Carolina ... 721, 723
South Carver, Mass ... 204
South Dakota ... 266
South Dakota (battleship) ... 131
South Downs (hills), England ... 112
South Flores Street, San Antonio, Tex ... 826
South Magnetic Pole ... 444, 453, 495, 509, 512
South Pole ... 439, 444, 463, 483, 490, 491, 495, 513, 516
  Adm. Byrd's flight to ... 459–463, 466
South Window, Arches National Monument, Utah color plate xii, page 188
Southern Cross (constellation) ... 296, 521; color plate iii, page 687
Southern Hemisphere ... 289, 296
"Southern lights" (aurora australis) ... 684; color plate ii, page 686
  Photographing the ... ill. 695
Southern Pecan Shelling Company, San Antonio, Tex ... 832
Southern Switch & Signal Company, Inc., La ... color plate iv, page 716
Souvenirs, in curio shop: San Antonio, Tex ... ill. 815
Souza, Dr. Mario de ... 311
Spaatz, Gen. Carl ... 286, 300, 825
Spain ... 106, 265
Spaniards: Guatemala ... 538, 544–545
"Spaniard's beard" (Spanish moss): Louisiana ... ill. 706
Spaniels ... 374, 376, 394
  American cocker ... 394; color plate vi, page 382
  American water ... 394, 397; color plate ix, page 385
  Brittany ... 394; color plate xii, page 388
  Clumber ... color plate xi, page 387
  English cocker ... 394; ill. 395; color plate viii, page 384
  English springer ... 394, 395; ill. 394; color plate vii, page 383
  Irish water ... color plate ix, page 385
  Sussex ... color plate x, page 386
  Welsh springer ... color plate viii, page 384
Spanish-American War ... 737
Spanish Main ... 336
Sparrow, Richard: House: Plymouth, Mass ... 199
Speaker: House of Commons, Ottawa, Canada ... 565; color plate iii, page 575
  Quarters of ... color plate iii, page 575
Species of plants, Number of cultivated ... 17
Spectacles, Stone: Arches National Monument, Utah color plates xii–xiii, pages 188–189
Spectrographs (scientific instruments) ... 309, 310
  Patrol, record auroras ... 699
  Precision, record bright auroras ... 699
  Used to study sun's outer layers ... color plates vi, page 306; vii, page 307
Spectroscope: Aurora's light analyzed by ... 676
Speech, opens Parliament: Ottawa, Canada ... 565
Sphere, Cylindrical, holds isobutylene: Baton Rouge, La ... color plate vi, page 718
Spider Flower (*Cleome spinosa*) ... 52; color plate, page 53
Spinach: London ... 783
Spinner, Gen. Francis E ... 89
Spinning wheel: Hanson, Mass ... ill. 218
Splicing: Plymouth Cordage Company ... 204
Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer. 36 ills., Sept ... 399–428
Spooner, Bourne ... 203
Sports: Ottawa, Canada ... 588
Spree Wald, Germany ... 736
Squaw, Indian (character in drama) . color plate vii, page 347
Squirrels, Flying ... 222
Stables. *See* Mews
Staff of office, Policeman carries: Todos Santos Cuchumatán, Guatemala ... color plate, page 532
Stage, Outdoor theater: San Antonio, Tex ... 816; ill. 829
Stallions, Palomino ... 325
Stamp Act ... 199
"Standard of pitch" ... 407
Standard Oil Company of New Jersey, La ... 709, 718, 724; color plate vii, page 719
"Standard second" ... 399
Standard time ... 408, 409, 411, 413
Standish, Alexander ... 208
Standish, Capt. Myles ... 193, 195, 203, 208
  Monument to ... 208; ill. 203
Stanton, Elizabeth Cady ... 96
Starlight, Bending of ... 300, 308, 309, 311
Star-of-Bethlehem (*Ornithogalum*, various species) 3, 25; color plate, page 24
The Star-Spangled Banner ... 206, 816
Stars ... 296, 297, 299, 300, 308, 309, 311, 316
State Exhibit Building, Shreveport, La ... 732
State School for the Deaf, N. Y ... 69
State Street, Delmar, Del ... 415
Station wagon: Yemen ... 632, 644, 655
Statue
  Brewster Gardens, Plymouth, Mass ... color plate v, page 213
  Massasoit: Plymouth, Mass ... ill. 197
    Miniature of ... ill. 194
  San Antonio Palopó, Guatemala . color plate, page 538
  See also Monuments and memorials

Page
Statues: Ottawa, Canada ... 570, 583
Steak
  Edible after six years: Antarctica ... 442
  T-bone: San Antonio, Tex ... 832
Steambath. *See Sauna*
Steel planking, Pierced, bridges ice crevasse: Antarctica ... ill. 489
Steers, Hereford: Union Stock Yards, San Antonio . ill. 844
Stela: Quiriguá, Guatemala ... color plate, page 548
Stereoscopes, used to check trimetrogon photographs: *Mount Olympus* ... ill. 506
Stevens, Arent ... 96
Stevenson, Robert Louis ... 111
Stewart, B. Anthony
  Drums to Dynamos on the Mohawk. By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page spread), July ... 66–110
Stewart, Richard H ... 315; color plate ix, page 317
Stilrovin Nitro Express (dog) ... ill. 375
Stilwell Road, Assam ... 630
Sting ray (fish) ... 142
Stirling, Scotland ... 112
Stirling Castle, Scotland ... 112; etching, page 122
Stirton, Lt. Comdr. John A ... 148
Stock (*Matthiola incana*) ... 21; color plate, page 20
  Ten-week (*Matthiola annua*) ... 21
Stockholm, Sweden ... 233
Stockings, Rationed: London ... ill. 772
Stonehaven, Scotland ... 112
Store
  Croydon, England ... ill. 775
  General: Plymouth, Mass ... 207
  Grocery, on wheels: Louisiana ... color plate xiii, page 733
  See also Markets and market places; Shops
Storksbill. *See* Pelargoniums
Stormer, Prof. Carl ... 676, 677, 695, 697
Stoves
  Finland ... ill. 246, 258
  Flowerpot-and-candle: London ... ill. 782
  Kitchen: Angle Inlet, Minn ... ill. 278
  Oil: Little America IV ... ill. 511
Strabo (Greek historian) ... 8
Strassburg, Germany ... 351
Stratosphere, Antarctic, closer to earth ... 510
Stratton, Samuel S ... ill. 601
Strawflower (*Helichrysum bracteatum*) . 49; color plate, page 48
Streetcar: Delhi, India ... ill. 599
Strelitzia Reginae (Bird-of-Paradise Flower) ... 32
Strickland, Sidney T ... 194
Strip, Paper, records time signals: Bureau of Standards ... ill. 402
Stuart, Mary (Queen of Scots) ... 111, 112
Students
  Mission school: San Antonio, Tex ... color plate v, page 821
  Mohawk Valley, N. Y ... ill. 71, 91, 106
  Ottawa, Canada ... color plate xi, page 591
  Union College, Schenectady, N. Y . color plate ii, page 82
Studio: Mrs. Else Bostelmann's: New York ... ill. 16
Stumps, Tree, along reef: False Cape, Va ... ill. 327
Submarine: Antarctica ... ill. 458
Succotash, Plymouth ... 203
Sudden Sue (dog) ... 396
Sufis (mystics): Delhi, India ... 605
Sugar
  Amount consumed in hummingbird feedings ... 222
  Louisiana ... 726
  Rationed: London ... 776, 782
Suits, Heated flying: AAF cameramen wear: Brazil 305; ill. 315
Sukhs: Yemen ... 643
Sullivan-Clinton Expedition ... 92
Sulphur
  Fuego Volcano, Guatemala ... color plate, page 528
  Louisiana ... 726, 727; color plate x, page 730
Sumerians (people) ... 7
Summer Street, Plymouth, Mass ... 193, 199
Sumner (survey ship) ... 131, 132, 133, 134, 138, 139, 140, 143, 145, 146, 148; ill. 132
Sun
  Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept ... 285–324
  Altitude of, during eclipse ... 311
  Duration of eclipse ... 288, 292
  Gravitational attraction of ... 300
  Importance of the eclipse ... 299, 300, 309, 310
  Instruments and cameras, Expedition ... 286, 291, 292, 295, 296, 299, 310, 315, 316; ill. 286, 287, 288, 294, 311, 312, 313; color plates vi–viii, pages 306–308; ix–xi, pages 317–319

Page
Sun—(Cont.)
  Occurrence of total eclipse 288, 309
  Photographing .... 286, 309, 310, 312, 314, 316; ill. 286, 315
  Photographs of .... color plates I–III, pages 301–303; VIII, page 308; IX, page 317; X, page 318
  Spectrum 307, 309, 310
  Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov 673–704
Sunbonnets, San Antonio women wear .... color plate III, page 819
Sunburns, Antarctic 510
Sundial 420, 442
  Pocket 420
Sunflower Family (flowers) 34, 56
Sunspots .... 674, 683, 684; ill. 678, 680
Superior, Lake, U. S.-Canada 270, 274, 275
Supermarkets, Lack of: London 770, 772, 777
Supplies, Photographic, unloaded from *Mount Olympus* ill. 502
Supreme Court Justices: Senate Chamber, Ottawa, Canada .... color plates IV–V, pages 576–577
Suq, Old City, Jerusalem, Palestine 748
Suribachi, Mount, Iwo Jima (island) .... 148; ill. 144
Surinam (Dutch Guiana) 737
Surveyor of Wood and Bark: Plymouth, Mass 196
Surveyors, Hydrographic .... ill. 136, 147
Susa, Iran 7
Sussex (county), England 112, 129
Sutherland, Mason
  Carnival in San Antonio. By Mason Sutherland. With 19 ills. in color from natural-color photographs by J. Baylor Roberts. 11 ills. in black and white, Dec 813–844
Swain, Jonathan (Nantucket whaler) 513
Swain, K. C 460
"Swain's Island" (phantom land) 513
Swansea, Wales 351
Sweden 238, 247
Sweet peas, Mediterranean: Skagway, Alaska 1
Sweet Potato (*Ipomoea Batatas*) 52
Sweetbrier (*Rosa Eglanteria*) 19
Swimmers, Antarctic, test swimming suits .... ill. 493, 494, 515
Swimming hole, Canajoharie, N. Y .... color plate VIII, page 88
Swimming suits, Cold-resistant, testing of: Antarctica ill. 493, 494
Sylhet district, Pakistan 616
Syncline Rapids, San Juan (river), Utah 155

T

T. Royal Rupert 60th (Hereford bull) 842
Tabb, J. B. (poet) 230
Table Bay, Cape Colony 32
  Garden .... color plate, page 33
Tabor, Mount, Holy Land 751
Tagetes (Marigold genus, several species) 58
Tagetes erecta ("African" Marigold) 58
Tagetes patula ("French" Marigold) 58
Ta 'izz, Yemen
  Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov 645–668
  Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov 631–672
Talbot, Phillips
  Delhi, Capital of a New Dominion. By Phillips Talbot. With 20 ills. in color from natural-color photographs by Volkmar Wentzel. 16 ills. in black and white, 1 two-thirds-page map, Nov. 597–630
Tamahú, Guatemala 552
Tamales: Texas .... color plate XV, page 839
Tamarisk: Utah 155
Tampere, Finland 233
Tanganyika, Lake, Africa 34
Tank car, distributes water: London .... ill. 780
Tanker, Torpedoed: Ulithi Lagoon .... ill. 137
Tanneries: Gloversville, N. Y 96
Tantallon Castle, Scotland .... 112; etching, page 120
Tapestry: French Embassy, Ottawa, Canada .... color plate VII, page 579
Tarawa, Gilbert Islands 140, 143
Taro (plant) 32
Task Force 68 .... 430, 434, 438
Tattoo, Full-bodied, on Ulithi chief .... ill. 140
Taucher, Col. G .... ill. 248
Taunton, Mass 219
Tauriainen, Mrs. Arvi .... ill. 259
Taurus (constellation) .... color plate I, page 685
Tayin Shan, China: Rhododendrons .... ill. 10
Taylor, Harvey 295
Tea and tea drinking: London .... 776, 790–791; ill. 785

Page
Tea merchants: London 772
Tea plant 45, 47
Teach, Edward (Blackbeard) 336
Teacher: Delhi, India .... ill. 606
Teahouse: Hyde Park, London .... ill. 785
Teamster: Haymarket Plaza, San Antonio .... color plate XIII, page 837
Teapots, Workman solders: Oneida, N. Y .... color plate XIII, page 101
Teche, Bayou, La 710, 735
Tecúm Umán (Quiché war chief) 540
Tejanos (Texans) 827
Tel Aviv, Palestine .... 743, 748; ill. 740, 751
Telegraph lines, affected by magnetic storms 673–674
Telephone, affected by magnetic storms 673–674
Telescope, used for checking theory of relativity color plates VI, page 306; VIII, page 308
Teletype messages, affected by magnetic storms 674
Television 108
  Studio: Schenectady, N. Y .... color plate XV, page 103
Tell el Mutasallim (Megiddo), Palestine 751
  Tomb .... ill. 743, 749
Tells (ancient mounds): Palestine .. 739, 750; ill. 743, 749
Temple: Jerusalem, Palestine: Ruins 745
Temple of the Sun, Mexico .... color plate, page 55
Temptation, Mount of, Palestine 750
Tennyson, Alfred Lord 67
Tent Life in Siberia (Kennan) 673
Tents
  Army: Eclipse expedition, Brazil .... 292; ill. 290, 291
  Bedouin: Trans-Jordan .... color plates VI, page 758; VII, page 759
  Little America IV, Antarctica .... ill. 462
Teosinte (wild grass): Guatemala 525
Tercentenary: Plymouth, Mass 194
Terra Nova (ship) 435
Territory of Arkansas 846
Territory of Missouri 846
Terror (ship) 435, 468
Terry, Eli 425, 426
Tervola, Finland 235
Texas 705, 709, 711, 712, 721, 728, 737, 738
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec 845–846
  See also San Antonio
Texas, Department of 816
Texas City, Tex 738
Texas National Guard: 36th Division 844
Texas Oil Company, La 709
Texas Republic: President of 816
Texas War of Independence 814
Textiles, Indians weave: Guatemala 529
Thames (river), London 780
Thames Valley, England 111
Thane of Glamis. *See* Macbeth
Thanksgiving 202
  "Pilgrims" celebrate dinner .... ill. 202
Thayendanegea (Joseph Brant's Indian name) 92
Theater, Outdoor: San Antonio, Tex .... 816; ill. 829
Thebes, Egypt: Temple 12
Theodolite (telescopic instrument): Ulithi (island) ill. 134
Thibodaux, La .... color plate V, page 717
Thirteen Foot Rapids, San Juan (river), Utah 153, 155
Thomas, Capt. Charles W 437
Thomas, Hannah 206
Thomas, Capt. John 217
Thomas, Seth 425
Thomas Jefferson High School, San Antonio, Tex. color plate X, page 834
Thomaston, Conn .... 425; ill. 422
Thorwald (Norse chieftain) 206
"Threads," used in seine fishing: Finland .... 251, 252, 253; ill. 254
Three Gossips (rock formation), Utah 174
Throne
  Senate Chamber, Ottawa, Canada .. 565; color plates IV–V, pages 576–577
  Viceroy's House, New Delhi, India .. color plate I, page 613
Thule, Greenland: Weather station 507
Thunder Bay, Canada 275
Tiberias, Palestine 751
Tide
  Great sand barrier reef, N. C.-Va .... 325, 326, 335, 349; ill. 327, 335
  Okinawa (island) .... ill. 136
Tide gauge: Ulithi (island) 146
Tidelands, Oil-bearing: Louisiana 709
Tides, Effect on, by eclipse 309
Tidewater Associated Oil Company, La 709
Tierra del Fuego (archipelago) 50
Tiers, Grassy: Outdoor theater, San Antonio, Tex. 816; ill. 829
Tiger-Flower (*Tigridia Pavonia*) .. 54; color plate, page 55
Tightrope, St. James (statue) rides: Santo Tomás Chichicastenango, Guatemala .... color plate, page 553
Tigris (river), Iraq 6, 7
Tihama (semidesert coastal belt): Yemen .. 632, 634, 657

Page

- Tikal (ruins): Guatemala ... 548
- Tiles: Guatemala City, Guatemala ... 528–529, 559
- Timbers, Mooring, Antarctic expedition ... ill. 464, 478
- Time
  - Split-second Time Runs Today's World. By F. Barrows Colton and Catherine Bell Palmer. 36 ills., Sept ... 399–428
    - Accurate timing controls numerous processes ... 402, 403
    - Clockmaking ... 422, 423, 425, 426
    - Earth's rotation varies ... 401
    - Eclipse study requires timing ... 406
    - First true clocks ... 420, 422
    - Greek methods of telling time ... 420
    - Photographing time—by the stars ... 400, 401
    - Temperature changes affect watches ... 427, 428
    - Way the earth is weighed ... 406
    - Wrong time causes railroad wrecks ... 411, 413
- Time Bureau, New York Telephone Company ... 426
- Time zones, Establishment of ... 411, 413
- Timothy Whites & Taylors, Chelsea, London ... ill. 788
- "Titans' Honeycomb" (hexagon peaks), Antarctica 474, 477, 478
- Tobacco
  - Little America II, Found in ... ill. 508
  - Stick: Louisiade Archipelago ... 142
- Tobacconist's: London ... ill. 790
- Toboggans: Ottawa, Canada ... color plate x, page 590
- Todos Santos Cuchumatán, Guatemala ... color plates, pages 532, 533
- Toepfer, Walter K ... ill. 482
- Tokyo, Japan ... 131
- Tolimán (volcano), Guatemala ... color plates, pages 536–537
- Tomb: Tell el Mutasallim, Palestine ... ill. 743, 749
- "Tomb of Absalom," Kidron Valley, Jerusalem ... ill. 747
- "Tomb of St. James," Kidron Valley, Jerusalem ... ill. 747
- "Tomb of Zachariah," Kidron Valley, Jerusalem ... ill. 747
- Tombs: Petra, Trans-Jordan ... color plates IX, page 761; XIII, page 765
- Tompion, Thomas ... 422
- Tonga (island), Pacific Ocean ... 134
- *Tongas* (carts): Delhi, India ... 605
- Topknot, Sikh: Delhi, India ... ill. 629
- Tories: Mohawk Valley, N. Y ... 69, 92, 93, 95
- Torne River, Finland-Sweden ... 238
- Torpedo, Piloted: Ulithi (island) ... 147; ill. 138
- "Torrent No. 4" (fire engine) ... 199
- Tortillas: San Antonio, Tex ... 832
- Totonicapán, Guatemala ... 541
- *Tour of the World in 80 Days* (Verne) ... 423
- Towel rack, Heated, in kitchens: London ... 791
- Tower
  - Mud: Yemen ... ill. 642
  - Survey, Navy riggers erect ... ill. 133, 141
- Tower Butte, Utah ... 164
- Tower of Babel ... 712, 737
- Tower of Babel (rock formation), Utah ... 174
- Tower of London ... 15
- Town Brook, Plymouth, Mass ... 193, 202, 207
- Town House, Plymouth, Mass ... 196; ill. 199
- Town meeting: Plymouth, Mass ... 195
- Town Square, Plymouth, Mass ... 194
- Town Wharf, Plymouth, Mass ... 206
- *Trachymene caerulea* (Blue Lace-flower) ... 49
- Tractor
  - Amphibious: Antarctica ... ill. 481, 502
  - Snow: Antarctica ... ill. 504, 505; color plate VII, page 451
- Tractors, Amphibious: Antarctica ... 513, 514, 515; ill. 489
- Trade
  - Foreign: Louisiana ... 728, 737, 738
  - Mink and muskrat: Northwest Angle, Minn ... 273
- "The Trading Post," Hanson, Mass ... ill. 218
- Tragedy, Air: Antarctica ... 501, 502, 503, 510
- "Trail Through Open Pines" (Schenectady, N. Y.) ... 110
- Trailer, Water-tank: Bocaiuva, Brazil ... ill. 287
- Trains, Freight, board ship: Louisiana ... ill. 738
- Trajan (Roman emperor) ... 26
- Transatlantic flight, First, made by Navy (1919) ... 432
- Transfiguration of Jesus ... 751
- Transit Tower, San Antonio, Tex ... air view 828; color plate VIII, page 824
- Trans-Jordan
  - Arab Land Beyond the Jordan. 18 ills. in color from natural-color photographs by Frank Hurley. Dec ... 753–768
- Transportation
  - Delhi, India ... 605
  - Northwest Angle, Minn ... 273
- Transverse Mercator projection ... 524
- Trauth, W. H ... 737
- Travelers-Tree (*Ravenala madagascariensis*) ... 38; color plate, page 39
- Travis, William Barret (Alamo hero) ... 815
- Trays, filled with sweets: Yemen ... color plates VII, page 651; XVI, page 668
- Treacle pudding: London ... 782
- Treaty
  - Boundary: Costa Rica-Panama ... 523
  - Great Britain-Trans-Jordan ... 754

Page

- Treaty of Falaise (1174) ... 111
- Treaty of Paris ... 265, 268
- Tree
  - Cypress: Red River Parish, La ... ill. 724
  - Thieves hanged on: San Antonio, Tex ... 826
- "Tree Jasmine." *See* Frangipani
- Trees
  - Artificially dwarfed ... 47; color plate, page 46
  - Coffee: Yemen ... ill. 658
  - Guatemala City, Guatemala ... color plate, page 530
  - Maple: Ottawa, Canada ... color plates XII–XIII, pages 592–593
  - New York ... air views 72–73, 74; ill. 75
  - North Carolina ... 340
  - Palestine ... 741
  - San Antonio, Tex ... 813, 832
- *Trees and Shrubs Hardy in the British Isles* (Bean) ... 65
- Tribes Hill, N. Y ... 105
- Tribesmen: Yemen ... ill. 640
- *Trichechus manatus* (manatee) ... 552
- Trimetrogon photographs: *Mount Olympus* ... ill. 506
- Trimetrogon photography ... 432, 457
- Trinidad (island), British West Indies ... 523, 728, 737
- Trinitaria, Mexico ... 524
- Tripod, Motion picture camera, mounted on tractor ... ill. 502
- "Triumph of Constantine" (tapestry): French Embassy, Ottawa ... color plate VII, page 579
- Trochilidae. *See* Hummingbirds
- Tromsö, Norway: Aurora, Photographing the ... ill. 677
- *Tropaeolum majus* (Nasturtium) ... 52
- Trousers, Striped: Todos Santos Cuchumatán, Guatemala ... color plate, page 533
- Trucks: Helsinki, Finland ... ill. 241
- Truman, President Harry S ... 794, 795, 796; ill. 567, 583, 672
- Tubs: London ... ill. 788, 789
- Tucurú, Guatemala ... 552
- Tugboat: Little Falls, N. Y ... color plate XIV, page 102
- Tughlakabad, Delhi, India ... 629
- *Tulipa Clusiana* (tulip species) ... 28
- *Tulipa Gesneriana* (tulip species) ... 28
- *Tulipa Kaufmanniana* (tulip species) ... 28
- *Tulipa suaveolens* (tulip species) ... 28
- Tulips ... 28; color plate, page 29
- Tulkarm, Palestine ... 751
- Tung oil ... 524
- Tunics, Scarlet: House of Commons, Ottawa ... 565
- Tunis, Tunisia ... 106
- *Tunnbröd* ("thin bread"): Finland ... ill. 235, 250
- Turbans: Yemen ... color plates I, page 645; III–VIII, pages 647–652; IX, page 661; X, page 662; XVI, page 668
- Turf seat, Medieval castle ... color plate, page 18
- Turkey ... 105, 655, 737
  - American aid to ... 794
- Turkey (bird)
  - Broad-breasted: San Antonio, Tex ... 832
  - Seaman eats, aboard *Mount Olympus* ... ill. 439
  - Smoked: San Antonio, Tex ... 832
  - Sololá, Guatemala ... color plate, page 529
- Turku archipelago, Finland
  - Scenes of Postwar Finland. By La Verne Bradley. With illustrations from photographs by Jerry Waller. 30 ills., 1 half-page map, Aug ... 233–264
- Turman, Solon D ... 737
- Turnbow Cabin, Utah ... 175
- Turret Arch, Arches National Monument, Utah color plates III, page 179; XVI, page 192
- Tutchings, "Alf" ... ill. 79
- *Twenty Thousand Leagues Under the Sea* (Verne) ... 146
- "Twin Territories" (Ark. and Mo.) ... 846
- Twins, perform Mexican dance ... ill. 826
- *Two Years Before the Mast* (Dana) ... 207
- Typewriters, Manufacturing of: Ilion, N. Y ... 80
- Typhoons: Ulithi (island) ... 147
- Tyre (ancient city) ... 25
- *Tzolkin* (Maya calendar) ... 562
- Tzutuhiles (Indians): Guatemala ... 538; color plates, pages 544–545

U

- UD ("utility dog") ... 369
- Ulithi (island), Caroline Islands ... 145, 146; ill. 134, 140, 145
- Ulithi Lagoon: Torpedoed tanker ... ill. 137
- "Undersea Gardens of the North Atlantic Coast" (magazine paintings) ... 16
- Underwater demolition team, tests swimming suits: Antarctica ... ill. 493
- Unicorn, Carved: Parliament, Ottawa, Canada ... color plate IX, page 589
- Uniforms
  - Arab Legion: Trans-Jordan ... color plate III, page 755
  - Royal Canadian Mounted Police ... 565; color plates I, page 573; IX, page 589
- Union of Soviet Socialist Republics ... 107, 235, 236, 237, 240, 251, 259, 307
- Union Station, Ottawa, Canada ... ill. 568–569
- Union Stock Yards, San Antonio, Tex ... 842, 843
  - Live Stock Exchange Building ... ill. 814
  - Stock pens ... ill. 844

Page

United Fruit (shipping line) 728
United Gas Corporation, La 709
United Gas Pipe Line Company 711
United Kingdom 737
United Nations Relief and Rehabilitation Administration 793, 794, 805, 812
United Nations Special Committee on Palestine 742
United States 233, 234, 265, 266, 267, 270, 272, 273, 274, 275, 277, 280, 285, 286, 292, 296, 315, 329, 337, 631, 632, 655, 660, 669, 672, 710, 722, 723
  Aid to Greece 793, 810
  Caribbean possessions 523
  The Society's New Map of the South Central United States. Text accompanying special map supplement in colors. Dec 845-846
  See also Alabama; Arizona; California; Florida; Georgia; Illinois; Iowa; Kansas; Louisiana; Massachusetts; Michigan; Minnesota; Mississippi; Nebraska; Nevada; New Jersey; New York; North Carolina; North Dakota; Ohio; South Carolina; South Dakota; Texas; Utah; Vermont; Virginia; Wisconsin
United States Antarctic Service Expedition of 1939-41 .... ill. 695
U. S. Armed Guard Dispensary: Aden, Aden Protectorate 633
U. S. Army 273, 328, 712, 722, 816, 825
U. S. Army Air Corps, Birth of: Fort Sam Houston, Tex 825
U. S. Army Air Depot, N. Y 69, 71
U. S. Army Air Forces 523
  Eclipse Hunting in Brazil's Ranchland. By F. Barrows Colton. With 22 ills. in color from natural-color photographs by Richard H. Stewart, Guy W. Starling, and others. 19 ills. in black and white, 1 sixth-page chart, 1 tenth-page map, Sept 285-324
    Photographic crew .... color plate V, page 305
  Photographer 349
U. S. Army Air Forces' Air Training Command: Barksdale Field, Shreveport, La 711
U. S. Army Air Transport Command 286, 287, 288
U. S. Army Ground Forces 286
U. S. Army Special Services 296, 298
U. S. Bureau of Standards 288, 296, 309, 310, 399, 401, 402, 403, 407, 510, 586
  Aurora study, Interest in 676, 683
  Paper strip, records time signals .... ill. 402
U. S. Coast and Geodetic Survey 431, 507, 509
  Aurora study, Interest in 683
U. S. Coast Guard 327, 333, 335, 337, 339, 340
United States Coast Guard Recruiting Service 340
U. S. Coast Guardsmen .... 325, 326, 339; ill. 333
U. S. Congress 711, 794, 795, 796
U. S. Department of Agriculture 793, 806, 841
U. S. Department of Agriculture's Southern States Bee Culture Laboratory, La 725
United States Embassy, Wellington Street, Ottawa 579, 588
U. S. Engineers 273
U. S. Fish and Wildlife Service 431, 507
United States General Land Office 163
U. S. Geological Survey 507, 509, 524
U. S. Government 326, 330, 340
U. S. House of Representatives 567
U. S. Marine Corps 282, 283
  See also Marines
U. S. Maritime Commission 737
U. S. Naval Observatory 399, 400, 401, 402, 414, 416, 424, 426
  Instrument shop .... ill. 408
  Master clock .... ill. 404
U. S. naval observer: Aden 633
U. S. Navy 336
  Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy Official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct 429-522
U. S. Navy Antarctic Expedition (1946-1947). *See* Operation Highjump
U. S. Navy Hydrographic Office 131, 142, 148
  Adventures with the Survey Navy. By Irving Johnson. 18 ills., 1 half-page map, July 131-148
United States Post Office
  Amsterdam, N. Y .... color plate I, page 81
  Penasse, Minn .... 267, 268, 273, 279; ill. 276
U. S. Public Health Service: Greece 793, 805
U. S. Senate 567, 582
U. S. State Department 632
U. S. Treasury Department employees, erect statue 89
U. S. Weather Bureau 456, 507
Universities and colleges
  Columbia University 110
  Hamilton College, Clinton, N. Y 80
  Harvard University, Boston, Mass 110
  Mohawk College, N. Y 80

Page

Universities and colleges—(Cont.)
  Union College, Schenectady, N. Y .... 108, 110; color plate II, page 82
  Utica College of Syracuse University, N. Y 80
University of Chicago 751
University of Leiden 28
University of Louisiana 721, 725
University of Madrid 50
University of Pennsylvania 47
Unlocking Secrets of the Northern Lights. By Carl W. Gartlein. Paintings by William Crowder. 38 ills. in black and white, 8 ills. in color, 1 drawing, 1 half-page map, Nov 673-704
UNRRA. *See* United Nations Relief and Rehabilitation Administration
"Unsainted Anthony" (nickname for San Antonio) 826
Untouchables. *See* Harijans
Upper Jurassic period 174
Uppowoc (tobacco) 352
Ur (ancient city) 6, 13
Urdu (language): India .... ill. 630
Urn: El Khazna, Petra, Trans-Jordan .... color plate VIII, page 760
Urrutia, Dr. Aureliano, Sr. 830
Utah
  Desert River Through Navajo Land. By Alfred M. Bailey. With 11 ills. in color from natural-color photographs by the author and Fred G. Brandenburg. 11 ills. in black and white, 1 third-page map, Aug 149-172
  Utah's Arches of Stone. By Jack Breed. With 15 ills. in color from natural-color photographs by the author. 1 third-page map, Aug 173-192
Ute Indians: Utah 176
Utica, N. Y.
  Cultural center 80
  Industries 79, 100
  Population 79
Utica Public Library, Utica, N. Y 83
Uvéa (island), Wallis Islands 131

V

V-2 rocket flights 694-695
Valinski, J. E 460
Valley Forge field trial: Fort Washington, Pa 396
Valley of Panchoy, Guatemala 527
Valleys, Dry: Antarctica 477
Van Alstyne House, Canajoharie, N. Y 92
Van Biesbroeck, Dr. George .... 300, 309, 311, 314, 316; color plate VIII, page 308
Van Curler, Arendt 110
Van Dersal (botanist) 65
Varro (Roman writer) 13
Vaughan, Sgt. Bill .... 295; color plate XVI, page 324
Vault, Bank: Clocks .... ill. 423
Vegard, L.: Aurora study 677
Vegetables
  Guatemala .... color plate, page 562
  London .... ill. 770
Vellum-bound volumes: Quezaltenango, Guatemala 541
Vendors
  La Antigua, Guatemala .... color plate, page 562
  London .... 789; ill. 771
Venezuela 737
Venus (planet) .... 316; ill. 697
Veramendi, Ursula 815
Verbena, Garden (*Verbena hortensis*) .. 50; color plate, page 51
Vermont 79
Verne, Jules 146, 413
Versailles, France 219
  Gardens 14
Vessel, Earthen, Indians cooked stew in .... 352; plate XI, page 363
Vestfold Hills, Antarctica 500
Veterans
  Antarctic 517
  Disabled: New York .... ill. 417
Vials, Feeding, for hummingbirds .. color plates I-VIII, pages 225 232
Viburnum Carlesii (Honeysuckle) 43
Viceroy: India 607
  House of: New Delhi .... 600, 611, 612; color plates I, page 613; II, page 614
Victoria (English queen) 581, 582, 593, 781
  Statue of 572
Victoria and Albert Museum, London: Exhibit 777
Victoria Cruziana (Victoria Waterlily) 52
Victoria Falls, Northern and Southern Rhodesia 34
Victoria Land, Antarctica 468, 477, 479, 506, 512
Victoria Regia (Victoria Waterlily) 52
Victory garden: London .... ill. 774
Vikom, Finland 245, 251, 259
  Lerche Estate: Baking .... ill. 235
Villa (Mexican general) 825
Villa de Bejar (settlement), Tex 813, 814
Villagers: Todos Santos Cuchumatán, Guatemala color plate, page 533

Page
Villages, Twelve, named for Apostles: Guatemala 534, 537, 538
Vincennes (ship) 491
Vinegar: London 776
Viol, Bass, double: Northwest Angle, Minn ill. 269
Viola tricolor (Pansy) 19
Violet, African (*Saintpaulia ionantha*) 36; color plate, page 37
Virgin Islands 523
Virginia 67, 90, 721, 723
  Exploring America's Great Sand Barrier Reef. By Capt. Eugene R. Guild, USA, Ret. With 10 ills. in color from natural-color photographs by John E. Fletcher and J. Baylor Roberts. 13 ills. in black and white, 1 two-thirds-page map. Sept. 325–350
  Indian Life Before the Colonists Came. By Stuart E. Jones. With 15 illustrations from engravings by Theodore de Bry, 1590. Sept 351–368
Virginia Beach, Va 325, 328, 331, 349; ill. 328; color plate ii, page 342
Vischer Ferry, N. Y 78
Visibility, Multiple light reflection 503, 510
Visitors, Camp: Eclipse expedition, Brazil 295, 296, 299, 314; ill. 297; color plates ix, page 317; xi, page 319
Volcano
  Antarctic 479, 516; duotone plate, 476
  Japan color plate, page 46
Volcanoes, Extinct: Guatemala color plate, pages 536–537
Volga Boatman (song) 829
Vosburgh, Frederick G. ill. 69, 93; color plate vi, page 86
  Drums to Dynamos on the Mohawk. By Frederick G. Vosburgh. With 19 ills. in color from natural-color photographs by B. Anthony Stewart. 24 ills. in black and white, 1 map (two-page spread), July 67–110
Vouraikos River, Greece 809, 811
Vouraikos Valley, Greece 797
Vouraikos watershed, Greece 793, 797, 803, 806, 810

W

Wade, Dr. F. Alton 467, 470
Wade Glacier, Antarctica 460, 461, 466, 467, 479, 483; duotone plate, page 470
  Tributary glaciers 468
Wadis (valleys): Yemen 644, 655, 657, 672
Wages: Greece 793, 794
Wagner, Webster (inventor) 92
Wagon: San Antonio, Tex color plate xiii, page 837
Wahweap Canyon, Ariz 152, 164
Wailing Wall, Jerusalem, Palestine 748
Wainwright, Gen. Jonathan 825
Waite, A. H., Jr 517; ill. 482
Wales, Prince of (Edward VII) 581, 592
Walgreen Coast, Antarctica 501
Walk, Maj. William E 299
Wall
  City: Yemen color plates i, page 645; vi, page 650; viii, page 652; x, page 662; xi, page 663
  Mud: Yemen 643
  Surrounds Old City, Jerusalem, Palestine 748
Wallace, Sir William (Scottish leader) 112
Waller, Jerry (photographer) 233, 245, 247, 251, 253, 259, 263
Waller, Sir William 112
Wallflower (*Cheiranthus Cheiri*) 21; color plate, page 20
Wallis Islands, Pacific Ocean 131, 133
Wallpaper, Flowered, Origin of 5, 8
Walter (Dickens character) 422
Waltham Watch Company 426
Wampanoags (Indians) 197
Wanchese (Indian character) color plate vi, page 346
Wanderwell (boat) 76; ill. 69, 75; color plate vi, page 86
War, Russian-Finnish 235, 240
War of 1812 581
Warden, Lt. George W 483
Wares, Indians': Guatemala 532
Warm Creek, Utah 164
Warr, William George Henry 503
Warriner, Douglas 723
Warroad, Minn 265, 266, 273, 276, 279, 280, 282, 283, 284
Warroad River, Minn 265
Warwick Castle, England 129; etching, page 126
Wash boilers: Rome, N. Y color plate v, page 85
Washed Santas (coffee brand): London 790
Washington, George 71, 95, 129, 219, 329
  Diary and notes 17
  Picture of, in studio: Schenectady, N. Y color plate xv, page 103
Washington, D. C 103, 288, 295, 326, 399, 597, 618, 769, 777, 789, 791; ill. 601
  Aurora seen 693
  Naval Gun Factory: Pier ill. 519
Washtub, Boy carries, on back: Greece ill. 799
Page
Washtubs, drain tank car: London ill. 780
Watch, Two-faced ill. 406
Watches: Instrument shop, U. S. Naval Observatory ill. 408
Watchman, Jewish settlement: Palestine ill. 752
Watchtower: Yemen color plate xiii, page 665
  Ancient, carvings on ill. 640
Water
  Antigua, Guatemala 527
  Eclipse expedition camp, Brazil color plate xvi, page 324
  Jerusalem, Palestine 748
Water buffaloes: Jumna River, India ill. 603
Water cress: London 783
"Water Level Route" (Mohawk Valley) 77
"Water sky": Antarctica 514
Waterbury Watch Company 428
Waterford, N. Y 110
Waterlily
  Victoria (*Victoria Regia*) 52; color plate, page 53
  See also Lotus, East Indian
Waterman (shipping line), La 728
Watling Island. *See* San Salvador
Watson, Jim 205
Watson, Thomas J 486
Watson Escarpment, Antarctica 484, 486
Watts, James 296, 298, 310; ill. 288
Wavell, Felicity Ann (Mrs. Peter Longmore) color plate viii, page 620
Wavell, Viscount 611, 612, 620; color plates ii, page 614; v, page 617
Wayne Wonderland, Utah 176
Weather 288, 296, 299, 311, 314
  Our Navy Explores Antarctica. By Rear Admiral Richard E. Byrd, USN, Ret. With illustrations from U. S. Navy Official photographs. 51 ills. in black and white, 8 ills. in duotone, 11 ills. in color, 4 maps, Oct 429–522
Weather Bureau, San Antonio, Tex 843
Weaver, Dr. Harold F 309, 316; color plate viii, page 308
Weaver: Santo Tomás Chichicastenango, Guatemala color plate, page 555
Weaving
  Textile: Guatemala 529, 562; color plates, pages 534, 555
  Woman: Greece ill. 812
Webb, Lt. Charles 296
Weber, Walter A.
  Born Hunters, the Bird Dogs. 19 ills. in color from paintings by Walter A. Weber. Sept 377–392
Webster, Daniel 195, 206, 217
Webster, Laurence J 221
  Home of: Holderness, N. H ill. 220
Webster, Mrs. Laurence J 221, 222, 223
Webster, Mary Fidelia 221, 223; ill. 220; color plates i, page 225; viii, page 232
Weddell Sea, Antarctica 431, 487, 490, 504, 505
Wedding: New Delhi, India color plate viii, page 620
Wedding celebration: Delhi, India ill. 611
"Weigelas" 43
Weimar, Germany 398
Weimaraner (dog) 370, 376, 398; ill. 374; color plate xiii, page 389
Weimaraner Club of America 370, 398
Weiner, Capt. M. W 517
Weir, Maj. Robert R 460, 484, 486
Weissenburg, Catherine 94, 95
Well
  Ancient: Yemen color plate xvi, page 668
  Jacob's: Palestine ill. 744
  Persian garden color plate, page 31
  Scituate, Mass color plate vii, page 215
Well, Oil: Louisiana 709
Wellington Street, Ottawa, Canada 584, 585
Wells Cathedral, England 420
Wentzel, Volkmar 630
  Delhi, Capital of a New Dominion. 20 ills. in color from natural-color photographs by Volkmar Wentzel. Nov 613 628
Weskits, Chamois: London 787
Wessel, Captain 339
West Africa 737
West Block, Parliament, Ottawa, Canada 582; ill. 568–569
West Bridgewater, Mass.: Memorial Park color plate v, page 213
West Canada Creek, N. Y 89
West End, London 769; ill. 776
West Feliciana Parish, La 723
West Indies 722
  The Society's New Map of the Caribbean Area. Text accompanying special map supplement in colors. Oct 523–524
"West Point of the Air." *See* Randolph Field
West to the Setting Sun (Chalmers) 95
Western Group (group of ships) 452, 491, 497, 498, 500, 512
Western Hemisphere 523

XUM

Page
Westfall, Oliver 316
Westminster (parliament), London 566, 567, 582
Westminster Abbey, London 111
Westport, Mass 219
Weston, Ezra "King Caesar" 208, 217
Weston, Ezra, II 208
Weston Store, South Duxbury, Mass 208
Wet season: India 608
Wetherill, John 162
WGY (GE radio station), N. Y 108
Whale, Pilot: Currituck, N. C 337
Whale Head, N. C 331
Whaleboats, Motor 131; ill. 135
Whales, Bay of, Antarctica 432, 435, 439, 442, 457, 507, 509, 513, 514
  Amphibious tractor ill. 481
  Battle of ice masses 439, 440, 441
  Mapping of 457
  Northwind breaks ice ill. 518
  Ships moored in ill. 462, 464–465, 481
  Unloading cargo ships ill. 454, 465
Whales, Killer: Antarctica 438, 516
"Whales, Porpoises, and Dolphins" (magazine paintings) 16
Whilden, Oscar R 711, 728
Whips, Rawhide: Guatemala 558
White, John 351, 352
White, Peregrine 194
White Guard: Finland 251
White Sands area, N. Mex.: Testing ground 845
Whitebridge Wally (dog) ill. 373
Whiting (fish): London 785
Whitney, Eli (inventor) 737
Whittington, Dick 769
Wichita Mountains, Okla 846
Wildlife Refuge, Wichita Mountains, Okla 846
Wilkes, Charles 429, 491
Wilkes Land, Antarctica 491
  Auroras near color plates II, page 686; III, page 687
  "Oasis" color plate VIII, page 452
Wilkinson, Norman
  British Castles, History in Stone. By Norman Wilkinson. 16 etchings, July 111–129
Willdenow, Karl Ludwig 56
William Heinemann, Ltd., London 479
William the Conqueror 111, 129
William the Lion 111
Williams, Frederick Warren 503
Williams, George 316
Williams, Helen S.
  Guatemala Revisited. 40 ills. in color from natural-color photographs by Luis Marden and Helen S. Williams. Oct 526–564
Williams, James Watson 79
Williams, Maria 79
Williams, Rachel 79
Williamsburg, Va 194
Willingdon (Viceregal family) 630
Willingdon Airport, New Delhi, India 598
Willis, Mrs. Mary 723
Willows (trees)
  Utah 155
  Weeping: San Antonio River banks ill. 827
Wilson, Woodrow 219
Winchester Castle, England 111; etching, page 116
Wind, Northeaster: Great sand barrier reef, N. C.-Va. 325, 331
Wind tunnel, Vertical: Mechanical Engineering Laboratories, National Research Council, Ottawa ill. 586
The Windows, Arches National Monument, Utah 173, 174, 175; color plates I, page 177; X, page 186; XII, page 188; XIII, page 189; XVI, page 192
Windows, Stained glass: Yemen color plate IX, page 661
Winds, South Polar, winelike quality of 453, 510
Windsor, England 111
Windsor Castle, England 111; etching, page 115
Windsor Great Park, England 111
Winnipeg, Manitoba, Canada 268, 270, 274, 275
Winslow, Edward 193, 195, 217
Winslow, Isaac 217
Winslow, Gen. John 217
Winslow, Josiah 217
Winslow Burying Ground, Marshfield, Mass 217
Wire, Cable: Rome, N. Y color plate V, page 85
Wire-dragging, Navigational 135, 144, 145
Wirephoto 402, 412
Wisconsin 711
Wistar, Caspar 47
Wisteria, Japanese (*Wisteria floribunda*) 47; color plate, page 46
Wisteria frutescens (Wisteria species) 47
Wisteria macrobotrys (Wisteria species) 47
Wisteria macrostachya (Wisteria species) 47
Wisteria sinensis (Wisteria species) 47
Wisteria venusta (Wisteria species) 47
Witch doctors: Guatemala 538
Witchcraft, Women accused of: Virginia 331

Page
Woman
  Carries child pickaback: Greece ill. 799
  Holds quetzals: Cobán, Guatemala color plate, page 558
  Pilgrim, Statue of: Plymouth, Mass color plate V, page 213
  Prays with incense: Momostenango, Guatemala color plate, page 551
  Spinning wool: Greece ill. 804, 808
  Weaves *huipil*: San Antonio Aguas Calientes, Guatemala color plate, page 534
Woman of Samaria (Biblical character) 744
Women
  Arab: Trans-Jordan 756
  Guatemala color plates, pages 526, 529, 534, 540, 542, 543, 544–545, 551, 555, 557, 558, 560, 562, 563
  Pilgrim: Plymouth, Mass 198
  Veiled: San'a Yemen color plate XV, page 667
Women's Voluntary Services: Member of ill. 782
Wood Creek, N. Y 68, 77
"Wood Pussies" (type of boat) 214
Woodlawn Lake, San Antonio, Tex 831
Woods Hole Oceanographic Institution 435
Woodside, Long Island, N. Y.: Joseph Bulova School of Watchmaking ill. 417
Woodwork, Carved: House of Commons, Ottawa 567
Woodworth, Samuel 215, 219
Woolford, Sam 844
Woollcott, Alexander 80
Woolsack; Senate Chamber, Ottawa color plates IV–V, pages 576–577
Woolworth, F. W 80
Workers, Cranberry bog: Massachusetts ill. 201
Workman
  Cuts cloth with electric knife: Utica, N. Y color plate XII, page 100
  Solders washtub seams: Rome, N. Y color plate V, page 85
World Calendar 415
The World in Your Garden. By W. H. Camp. Paintings by Else Bostelmann. 10 ills. in black and white, 24 ills. in color, July 1–65
World War I 282, 283, 631, 656, 669
  Canada 572
World War II 288, 631, 632, 712, 727
  Naga tribespeople 616
  Ottawa, Canada: Tempo changed 565, 585
  Radio communications 683, 684
Wrens: Forbidden Canyon, Utah 163
WRGB (radio station), Schenectady, N. Y 82, 108; color plate XV, page 103
Wright, H. B color plate XII, page 732
Wright, Orville 336, 337, 341
Wright, Philemon 569
Wright, Wilbur 341
Wright brothers, Memorial to 337; color plate I, page 341
Wright Field, Ohio 314
Wright Memorial Highway, N. C 337
Wringers: London ill. 788
WRUL (radio station), Mass 219; ill. 206
Wyatt Earp (ship) 435

X

X-ray tests: Pargas, Finland ill. 264
Xanadu, China: Gardens 13, 43

Y

Y. M. C. A., Johnstown, N. Y 105
Yacht Club, Scituate, Mass.: Pool color plate II, page 210
Yahya bin Mohammed bin Hamidadin
  Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov 631–672
Yale University 110
Yanaguana (Indian village): Texas 813, 816
Yancey (cargo ship) 435, 513; ill. 454, 457, 462, 465; color plate VI, page 450
Yankee (schooner) 131, 133, 145
Yardboys: San Antonio, Tex 843
Yarim, Yemen 634, 644, 669
Yarn, Spinning of: Finland ill. 250
"Year-End-World Holiday" 415
Yellow-wood, used for dye: Guatemala 562
Yemen
  Ancient "Skyscrapers" of the Yemen. 16 ills. in color from natural-color photographs by Richard H. Sanger. Nov 645–668
  Yemen—Southern Arabia's Mountain Wonderland. By Harlan B. Clark. 18 ills., 1 three-quarters-page map, Nov 631–672
  Emblem of 636
  Independence 631, 656
  Kings of 631
  Relations with U. S 631, 632, 672
  Royal signet seal 633
  School system 669, 671
  Turkish domination of 631, 635, 656
  Wealth of 631

Page
Yemen Government ... 632, 660
Yemenis (people). *See* Yemen
Yerkes Observatory, University of Chicago, Ill. ... 300
Yohn, Frederick C. ... 83
York, Duke of ... 111
York (Toronto), Canada ... 581
Young, Capt. Fay (skipper) ... 279, 282; ill. 266, 276
Young, Capt. Fay (daughter) ... 279; ill. 266
Young, Capt. Kay ... 279; ill. 266
Yucatán, Mexico ... 552, 727
Yuccas: Utah ... 161, 163
Yukon Territory, Canada: Aurora ... ill. 704
Yunnan Province Expedition, China (1923) ... 10

Z

Zabid, Yemen ... 653
Zähringer fountain, Bern, Switzerland ... ill. 421

Page
Zaidis (sect): Yemen ... 644
Zantedeschi, Francesco ... 32
Zantedeschia aethiopica (Calla) ... 32
Zapotec Indian ... 56
  Dwelling ... color plate, page 57
Zavala County, Texas: Steers ... 844
Zeitglockenturm (clock tower), Bern, Switzerland ... ill. 421
Zempoaltepec (mountain), Mexico ... 7
Zimbabwe, Southern Rhodesia ... 34
Zinnia (*Zinnia elegans*) ... 56; color plate, page 57
Zinnia Haageana (Zinnia species) ... 56
Zipper, American, startles people: Yemen ... 657
Zoological Garden, Brackenridge Park, San Antonio color plate XI, page 835
Zoroaster ... 30